SounPacific
Environmental Services
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Report of Findings and Corrective Action Plan

For February 2, 3, and 9, 2006 Subsurface Investigation

Dated:

May 17, 2006

Site:

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

LOP # 12365

Prepared for:

Big Oil & Tire Co.

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1.0 EXECUTIVE SUMMARY (ROF)

At the request of Big Oil & Tire Co. (BO&T), the current property owner, SounPacific Environmental Services (SounPacific) conducted a *Subsurface Investigation* of the leaking underground facility tank (LUFT) site (Big Foot Gas) located at 2801 Central Avenue, McKinleyville, California.

- On February 2, 3, and 9, 2006, SounPacific staff performed a subsurface investigation consisting of drilling and sampling fifteen (15) soil borings both onsite and offsite to further delineate the lateral and vertical extent of petroleum hydrocarbon contamination. A product line was encountered in one (1) of the borings (B-34) so no samples were collected at this location.

- Soil analytical results from the February 2006 investigation revealed that virtually no soil impact was present at any of the drilled locations. Total Petroleum Hydrocarbons as gasoline (TPHg) was detected at a maximum concentration of 3.2 parts per million (ppm), TPH as diesel (TPHd) was detected at a maximum concentration of 90 ppm and TPH as motor oil (TPHmo) was detected at a maximum concentration of 51 ppm. Other constituents, such as methyl tertiary butyl ether (MTBE) were sporadically detected at concentrations well below one (1) ppm. The highest concentrations were typically encountered at or above a depth of two feet below ground surface (bgs) in fill placed under the asphalt surface. These results indicated that the source(s) of the sorbed phase plume causing the groundwater impact were unlikely to have been intersected during this drilling event.

- Groundwater analytical results collected from boreholes indicated that TPHg (maximum 23,000 parts per billion (ppb), and its' constituents, benzene, toluene, total xylenes, and ethylbenzene (BTXE), were present near the south end of the building and near the dispenser islands. MTBE (maximum 3,300 ppb) was detected near the dispenser islands.

TPHd (maximum 520 ppb) was also detected sporadically throughout the Site. TPHmo is detected (maximum 20,000 ppb) randomly throughout the Site.

- The investigation revealed that the extent of any residual impacted soil at the Site is extremely limited and that impacted groundwater has yet to leave the Site in any appreciable quantity.

2.0 INTRODUCTION

This Report of Findings (*ROF*) has been prepared for the Big Foot Gas facility (the Site) located at 2801 Central Avenue in McKinleyville, California and documents the Site investigation and associated work conducted in February 2006. The work was conducted in accordance with the scope of work presented in SounPacific's *Subsurface Investigation Work Plan*, dated August 3, 2005, and the work plan addendum, *Response to Work Plan Approval Letter* dated August 22, 2005. The work plan was originally approved by HCDEH in a letter dated August 22, 2005, with the addendum being approved on October 27, 2005.

2.1 Site Description

The Big Foot Gas facility is an active fueling service station located on the northeast corner of the intersection of Murray Road and Central Avenue (Figure 1). The facility is surfaced around the current structure with concrete and asphalt. Unpaved and undeveloped areas exist to the north and east of the service station. Site improvements include a single story building with an overhead awning that covers the main dispenser islands. The main structure is approximately 800 square feet and is located near the center of the property with the entrance facing west towards Central Avenue. A small out-building is attached to the main structure at the north end of the property which is used for storage (Figure 2).

Two (2) 12,000-gallon split compartmented USTs, are in a single excavation at the southwest portion of the property, located between the station and Central Avenue. The USTs store three (3) grades of unleaded gasoline and diesel fuel, which is dispensed from two (2) main dispenser islands located under the awning on the west side of the building (Figure 2). BO&T owns, operates, and is responsible for the maintenance and testing of the UST system. The Site is serviced by public utilities. Surface water is controlled by drainage ditches and storm drains.

2.2 Vicinity Description

The surrounding land use is mixed rural residential and commercial. An automobile garage is located immediately to the south of the Site across Murray Road; property adjacent to the east and north of the Site is scheduled to be developed. It is anticipated that it is being developed for self storage units. The property across Central Avenue to the west is undeveloped.

2.3 Hydrogeologic Setting

The Site is approximately two (2) miles east of the Pacific Ocean and approximately 110 feet above mean sea level (amsl). The Site is situated approximately 600 feet south of Norton Creek and 1,400 feet North of Widow White Creek According to the United States Geological Survey Arcata North Quadrangle California-Humboldt County, 7.5 minute series (Topographic) 1959 (photo-revised 1972), a tributary of Norton Creek is re-routed into an underground culvert along the south side of the Site. Norton Creek is also artificially controlled along the eastern side of Central Avenue near the Site. These two (2) engineered drainage features intersect near the southwestern corner of the property and flow west, toward the Pacific Ocean (Figure 2). It is unknown if the engineered drainage along the southern and western boundaries of the Site exhibit any hydraulic influence on groundwater flow directly beneath the Site. However, groundwater has been encountered just beneath the asphalt and concrete covering so some influence is anticipated. Topography consists of rolling terrain that gently slopes west toward the Pacific Ocean (Figure 1). The on-going groundwater-monitoring program has determined that groundwater levels vary from one (1) foot to 5.5 feet below ground surface (bgs) throughout the year, with a westerly to northwesterly flow direction toward the Pacific Ocean (Figure 3).

This site is located on an uplifted marine terrace that has informally been named the Savage Creek Terrace (Carver & Burke, 1992). This marine terrace consists of non- to poorly-indurated shallow marine sands, with minor silt, clay, and gravel. This marine terrace is relatively flat, moderately incised by surface drainages (small creeks & streams), exhibits some warping, and gently slopes towards the Pacific Ocean (Figure 1). These sediments were deposited on wave-

cut benches, which have since been exposed by tectonic uplift and changes in sea level. Marine terrace deposits typically range in thickness up to a few tens of feet and are late Pleistocene in age. Soil development on these marine terraces has broken down minerals within the sands and near the ground surface there is an increased concentration of clays as a result.

2.4 Current Site Usage & UST History

SounPacific understands that the property is currently owned by BO&T of Arcata, California. The main structure is currently used as a retail gas station for the retail dispensing of three (3) grades of gasoline and diesel fuel from USTs onsite. A commercial propane tank is present on the north section of the property, and is used for the filling small propane tanks for the public (Figure 2).

BO&T purchased the Site from the Fuquas in 1982. The current service station building was constructed on the Site in early 1964 at which time three USTs were installed. Minimal information regarding the Site is available prior to the installation of the two 12,000-gallon USTs in May 1991 by Beacom Construction (Beacom) of Fortuna, California. The two 12,000-gallon USTs were installed in the southwestern part of the property (Figure 2). On July 11, 1991, Beacom removed one 2,000-gallon gasoline UST and one 1,000-gallon kerosene UST from separate excavations in the northerly and easterly portions of the Site (Figure 2). Humboldt County records also suggest that some sort of older structure was present on the Site prior to 1964; however, County records only extend back in time to the early 1950s and are typically incomplete or very limited for this early period of time.

3.0 ENVIRONMENTAL SITE HISTORY AND PREVIOUS INVESTIGATIONS

Previous reports by Clearwater Group, Inc. (CGI) and SounPacific indicate the following historical information:

3.1 1991 Installation of Two (2) 12,000-gallon Gasoline USTs

In May 1991, Beacom installed two 12,000-gallon USTs (Figure 4) at the Site. Prior to the installation, three (3) groundwater samples (TP-1, TP-2, and TP-3) were collected from the excavation (Figure 4). Laboratory analysis of the groundwater samples did not report any constituents above laboratory detection limits (Table 2). In June of 1991, Beacom collected six (6) soil samples (W-1, W-2, E-1, E-2, E-3, and S-1) (Figure 4) from beneath the product lines. Petroleum hydrocarbons were reported in all six samples, with the highest concentrations (TPHg at 210 ppm) in sample E-2, which was located to the southeast of the eastern dispenser islands.

3.2 1991 Removal of Former Gasoline and Kerosene USTs

On July 1991, Beacom removed one 2,000-gallon gasoline UST and one 1,000-gallon kerosene UST from separate excavations at the Site, see Figure 4. At the Site of the gasoline UST, two (2) soil samples were collected from the sidewalls of the excavation, along with two (2) samples from beneath the product lines, and a groundwater sample from the excavation pit (Figure 4). Elevated levels of TPHg and BTXE were reported in one of the product line samples (S-3 reported 5,000 ppm TPHg), which was adjacent to the west of the station (Tables 2 and 3). Beacom also collected two (2) soil samples and one (1) groundwater sample from the kerosene UST removal excavation (Figure 4). TPH as solvent (TPHs) was reported in the groundwater at elevated levels (Table 2).

3.3 1995 CGI Site Investigation

On November 7, 1995, CGI conducted a preliminary site assessment at the facility to evaluate the extent of soil contamination related to the former 2,000-gallon gasoline UST and the former 1,000-gallon kerosene UST. The investigation was performed in accordance with the Trans Tech Consultants' *Work Plan Preliminary Site Assessment*, dated June 12, 1993, and the *Work Plan Addendum*, dated March 12, 1993. The investigation consisted of hand auguring two (2) soil borings near the former 2,000-gallon gasoline UST (SB-1 and SB-2) and two (2) soil borings near the former 1,000-gallon kerosene UST (SB-3 and SB-4) (Figure 4). Based on the results from this investigation, it was determined that secondary sources of contamination remained near the former 2,000-gallon gasoline UST and near previous product lines S-3 (Table 3). CGI recommended excavation of additional soils and the installation of groundwater monitoring wells.

3.4 2000 SounPacific Investigation

In a letter dated January 1998, HCDEH requested a work plan to investigate the extent of groundwater hydrocarbon contamination from the previously removed USTs and product lines, and to perform interim remedial actions at the Site. In September 2000, SounPacific performed a subsurface investigation at the Site in accordance with Phase 1 of the approved CGI *Revised Subsurface Investigation and Interim Remediation Workplan*, dated August 14, 1999, and the CGI *Workplan Addendum*, dated December 21, 1999. The purpose of the investigation was to further evaluate the extent of soil and groundwater onsite. Ten (10) soil borings (B-1 through B-10) (Figure 4) were hand augured to depths ranging from 6.3 feet bgs to 9.5 feet bgs, with the exception of borings B-4 and B-5, in which cement was encountered just below the surface of the soil. Groundwater samples were collected from eight (8) boring locations (B-1 through B-3, and B-6 through B-10). Elevated levels of TPHg, BTXE, and MTBE were reported in borings B-7 and B-10, in the area between the station and the USTs and the area east of the dispenser islands, respectively (Table 1). Soil samples were collected from nine (9) boring locations (B-1 through B-3 and B-5 through B-10). A soil sample from boring B-5 was also analyzed for TPHd

due to empirical evidence observed in the field. Elevated levels of TPHg were reported in boring B-10 (Table 2). As MTBE was detected in six (6) out of eight (8) groundwater samples, along with the presence of other gasoline constituent contaminants, SounPacific recommended that further investigation was needed to define the extent of contamination, including the investigation of potential contaminant transport conduits, the installation of monitoring wells, and the initiation of a groundwater monitoring program.

3.5 2002 SounPacific Investigation

In a letter dated March 1, 2001, HCDEH requested a work plan to determine the extent of contamination at the Site and to evaluate preferential transport pathways. On April 22, 2002, SounPacific conducted a subsurface investigation in accordance with the approved *Subsurface Investigation Work Plan,* dated April 10, 2001. The investigation consisted of the drilling and sampling of seven (7) soil borings (B-11, B-13 through B-18) and the drilling and installation of six (6) two-inch diameter groundwater monitoring wells (MW-1 through MW-6) (Figure 4). Soil and groundwater samples were collected from each boring location (Table 2 and 3).

The highest level of contamination was present in well MW-5, which is located adjacent to the former 2,000-gallon gasoline UST. SounPacific identified three discrete areas that appear to have elevated groundwater contamination. SounPacific recommended that a work plan be developed to deal with these three areas of concern and that quarterly sampling and monthly water levels be continued.

3.6 2003 Site Assessment (SounPacific)

On June 20, 2003, SounPacific submitted to HCDEH a *Fourth Quarterly Groundwater Monitoring / Site Assessment Report.* The report discussed the Site's groundwater monitoring program, and presented a site conceptual model that interpreted all previous investigative work at the Site and provide recommendations for future activity. The report interpreted that the information gathered to date indicated that the soil plume has been delineated to the east, northeast, and southeast, but that further investigation is needed just to the north of the dispenser

islands around borings B-16, B-17, and B-18; to the west of the UST tank farm; and to the south in the area of boring B-5. SounPacific recommended that a work plan be prepared to delineate the soil plume in these areas and that the scope of work include a series of borings near the product lines, which would be used to determine whether the product line trenches were acting as preferential pathways. In a letter dated July 14, 2003, HCDEH concurred with SounPacific's recommendation to prepare a work plan to delineate the source(s) of contamination in the particular areas. SounPacific submitted a *Subsurface Investigation Workplan,* dated August 3, 2005, which was approved by HCDEH in a letter dated August 22, 2005. SounPacific also submitted a work plan addendum, *Response to Workplan Approval Letter* dated August *22, 2005,* which further clarified SounPacific's rational and intent for work proposed in the August 3, 2005 work plan. This addendum was approved in a letter from HCDEH date October 27, 2005. The results of this investigation are presented in this report

3.7 Groundwater Monitoring (May 2002-Current)

Following the installation of the six (6) initial groundwater monitoring wells (MW-1 through MW-6) in May 2002, a quarterly groundwater monitoring program was implemented. The program consists of quarterly groundwater sampling and analysis, along with monthly water measuring for the first year, after which water levels were recorded on a quarterly basis, along with the sampling event. Since the inception of the monitoring program, the depth to groundwater at the Site has ranged from less than one foot bgs to approximately six (6) feet below ground surface (bgs). Primary groundwater flow direction has fluctuated, with a generalized flow direction to the west. Laboratory analysis has consistently reported TPHg, BTXE, and MTBE in all the wells except well MW-1, located in the northeast corner of the service station. The highest levels of contamination have consistently been reported in well MW-5, which is in the southeast corner of the Site, in the area of the former gasoline UST system and MW-4, near the Site's product lines. Groundwater contamination has also been consistently reported in wells MW-3 and MW-6, both on the Site's western property boundary. The presences of contamination in these wells would indicate the contamination has migrated offsite and is present beneath Central Avenue. Groundwater monitoring is scheduled to continue.

4.0 RECENT INVESTIGATION

Previous subsurface investigations have identified both soil and groundwater contamination; however, due to the shallow depth to groundwater, many of the contaminated soil samples have been collected from beneath the water table. However, whereas the groundwater contamination appears to be widespread, soil contamination appears to be primarily limited to the areas of the product lines. The primary objective of the recent investigation was to delineate both the vertical and lateral extent of the soil and groundwater contamination.

On February 2, 3, and 9, 2006, SounPacific oversaw the drilling of fifteen (15) direct-push borings (B-19, B-21, B-22, B-23, B-25, B-27, B-28, B-29, B-30, B-33, B-34, B-37, B-38, B-39, and B-40) (Figure 4) by Fisch Environmental. Soil samples and grab groundwater samples were collected from each of the borings, except B-34. No samples were collected from B-34 as a near-surface product line was hit in this boring. Borings that were proposed in the work plan, but were not drilled, were not drilled for two (2) primary reasons. Product line encountered during the investigation was not on any as-built diagram nor in HCDEH records; hence, some onsite borings were cancelled due to safety concerns, and other borings were cancelled or modified at the request of the Underground Storage Tank Cleanup Fund (USTCF) to focus the investigation on known releases not suspected releases from UST system. Borings which were cancelled due to safety concerns may be drilled at a later date when accurate as-built diagram can be obtained.

4.1 Soil Collection Procedures

All soil borings were drilled by Fisch Environmental, using a truck mounted direct-push Geoprobe drilling rig. Forty eight (48) soil samples were collected at four foot intervals from the fourteen continuous-core borings that were drilled to various depths ranging from eight (8) feet bgs to 30 feet bgs. All soil samples were visually inspected in the field, described, and subjected to field screening using headspace analysis using a portable organic vapor analyzer (OVA) with a PID detector. The OVA analysis was conducted by half filling a sealable plastic bag with a

portion of the soil sample, allowing any vapors to collect in the bags headspace, and after a minimum of five (5) minutes inserting the OVA probe into the bag's headspace for analysis. All OVA readings are included on the borehole logs, included as Appendix A. All soil samples were also inspected and documented by the field geologist for soil type and conditions following the Unified Soil Classification guidelines. The resulting borehole logs are included as Appendix A

Soil samples were collected primarily at four-foot intervals throughout the complete length of each boring. The samples were collected in appropriate containers, labeled for analysis, placed in coolers, and kept at approximately four degrees Celsius. All samples were transported to Basic Laboratory of Redding, California for laboratory analysis under appropriate chain-of-custody documentation.

4.2 Soil Sampling and Analysis Methods

All soil samples were collected following standard EPA guidelines and analyzed for TPHg, BTXE, five fuel oxygenates, and lead scavengers by **EPA Method 8015/8260B,** and for TPHd and TPHmo by **EPA Method 8015** with silica gel cleanup**.** All analyses were conducted by Basic Laboratory (Basic) of Redding, California (ELAP #1677) on a normal turnaround basis.

4.3 Groundwater Collection and Sampling Procedures

Groundwater samples were collected from all boreholes for laboratory analysis, except boring B-34 (Figure 4), with either a depth discrete sampler with a stainless steel screen, or from a temporary well point.

In borings where only a single groundwater sample was collected, a temporary well point was installed in the soil boring to the sampling depth. The temporary well point was constructed of small diameter PVC piping, with an approximate five foot long section of 0.020" screen at the bottom. A dedicated bailer was lowered down to groundwater for sample collection. Following the collection of the groundwater sample, the well point was removed, and the boring was backfilled with a hydrated bentonite chips. This process was conducted in eleven of the fourteen

boreholes with samples being collected at depths between four and six feet bgs.

At locations where more than one grab groundwater sample was collected, standard geoprobe sampling was conducted. The geoprobe hollow rod was advanced to the selected sampling depth, where the outer portion of the rod was pulled back exposing a stainless steel screen, through which the groundwater at that depth entered the screen pipe. Tubing, with a "waterra" check valve would be inserted down the rod. By simple 'jiggling' of the tube water entered the hosing and moved up to the surface until adequate sample volume was collected. Following the collection of the sample, the rod and screen were removed, decontaminated, and the process was repeated at a selected deeper depth. At the Site, the repeated process was conducted in three borings (B-22, B-37, and B-39). In each of these borings, the process was only repeated once after the initial sampling. Samples in borings B-22, B-37, and B-39 were collected at depths of 10 feet and 20 feet bgs in boring B-22, and five (5) feet and 24 feet in borings B-37 and B-39. Following the collection of the groundwater sample, the geoprobe rods were removed, and the boring was backfilled with a hydrated bentonite chips.

All grab groundwater samples that were collected were stored in appropriate VOA vials and amber bottles, placed in coolers and maintained at approximately four degrees Celsius, for transportation under appropriate chain-of-custody documentation to Basic Labs for analysis. All analysis were conducted by Basic (ELAP #1677) on a normal turnaround basis.

4.4 Groundwater Analysis

The groundwater samples from each borehole were analyzed for TPHg, BTXE, five fuel oxygenates, and lead scavengers using **EPA Method 8015/8260B,** and TPHd and TPHmo by **EPA Method 8015** with a silica gel cleanup**.** All laboratory analyses were conducted by Basic on a normal turnaround basis.

5.0 RESULTS

5.1 Soil Analytical Results

Laboratory analysis determined that petroleum hydrocarbons contamination in the soils was minimal, with petroleum hydrocarbons of any type only being reported in 23 of the 48 samples analyzed. TPHg was reported in four (4) samples, with a maximum of 3.2 ppm (B-29 @ 2') being reported. Seven samples reported the presence of one or more of the BTXE compounds, with benzene reported in two (2) samples at a maximum of 0.037 ppm (B-29 @ 12'), toluene in three (3) samples at a maximum of 0.012 ppm (B-38 @ 4'), xylenes in two (2) samples at a maximum of 0.241 ppm (B-22 @ 10'), and ethylbenzene in two (2) samples at a maximum of 0.016 ppm (B-22 @ 10'). Of the fuel oxygenates, MTBE was reported in 14 samples at a maximum of 0.33 ppm (B-30 @ 5'), and TAME was reported in three (3) samples at a maximum of 0.074 ppm (B-30 @ 2'). TPHd was the most common contaminant reported, being reported in 17 of the 48 samples. With the exception of two (2) samples (B-39 @ 20' reported 90 ppm and B39 @ 10' reported 18 ppm), all TPHd results were below six ppm. TPHmo were detected in six (6) samples at a maximum of 51 ppm (B-33 @ 2'). A summary of the soil analytical results are displayed in Table 3 and graphically depicted in Figure 5. The laboratory report is included as Appendix B.

5.2 Groundwater Analytical Results

Seventeen (17) grab groundwater samples were subject to laboratory analysis. This included single samples from nine of the borings (B-19, B-21, B-23, B-25, B-27, B-28, B-29, B-30, B-33, B-38, and B-40), and two samples from various depths from borings B-22, B-37, and B-39. TPHg was reported in all the borings except B-21, B-23, B-37, B-38, and B-39. The highest TPHg concentrations were reported in boreholes B-22 (23,000 ppb in B22 @ 10' and 5,800 ppb in B-22 @ 15'), B-29 (3,400 ppb in B-29 @ 6'), and B-30 (2,700 ppb in B-30 @ 30"). The BTXE compounds were generally reported in the same samples that reported TPHg, with the

exception of sample B-23 that reported low levels of toluene (0.79 ppb) and xylenes (0.58 ppb), and the sample from B-40, which reported TPHg but was absent of any BTXE. MTBE was reported in twelve of the samples, which included the ten samples that reported TPHg, plus the sample from B-38 and the shallow sample from boring B-39. The highest MTBE concentrations were from borings B-29 and B-30, where both samples reported 3,300 ppb. Other reported fuel oxygenates included TAME (ten samples), ETBE (three samples), and TBA (seven samples). Of the long chained petroleum hydrocarbons, TPHd was reported in ten samples at concentrations ranging from 61 ppb (B-37 @ 24') to 210 ppb (B-23 @ 9'). TPHmo was reported in all the samples, except the two samples from boring B-37, at concentrations that ranged from 190 ppb (B-38 @ 6') to 20,000 ppb (B-19 @ 5'). The results of the groundwater analyses are summarized in Table 2 and graphically depicted in Figure 6. The laboratory reported is included as Appendix B.

6.0 SENSITIVE RECEPTOR SURVEY

A sensitive receptor survey (SRS) is currently being scheduled for this site and should be conducted by August 2006. The SRS will identify nearby water supply wells, drainage, channels, lakes, and other potential sensitive receptors.

7.0 EMERGENY RESPONSE

During the drilling B-34, a product line that had not been mapped was inadvertently damaged during this investigation. To minimize any environmental damage, the resulting release was cleaned up immediately. The released resulted in some soils, immediately adjacent to the piping to be contaminated. The impacted soils were removed as soon as possible, and contained in six 55 gallon drums of soil that were transported to Bio Industries in Red Bluff, California for disposal. Although, groundwater in the area was already contaminated, approximately 12,000-gallons of groundwater was extracted from the pit created by the excavation of the soil, and disposed of under permit at the Eureka waste water treatment plant.

8.0 SITE CONCEPTUAL MODEL

The objective of a site conceptual model is to present sufficient information to: (1) identify the source(s) of the contamination; (2) determine the nature and extent of the contamination; (3) specify potential exposure pathways; and (4) identify potential receptors that may be adversely impacted by the contamination.

The Big Foot Gas site is predominantly underlain by interbedded sandy and silty soils. Groundwater is very shallow, commonly less than five feet bgs, and occasionally less than one foot bgs. Groundwater contamination is widespread, with the identified sources of the impacted groundwater being the gasoline UST and product lines which were removed 1991. The gasoline contamination appears to have migrated from the UST and the product lines resulting in localized impact to shallow groundwater beneath the current dispenser and in the vicinity of the former UST. Geological cross sections of the Site are shown in Figures 7 and 8.

Since 1995, when the first subsurface investigation was conducted, a total of 92 soil samples have been collected and analyzed from 35 borings at the Site. In addition, twelve (12) soil samples were collected that were associated with the removal of the former USTs and their associated lines. All twelve soil samples directly associated with the USTs reported the presence of TPHg, with four samples reporting levels in excess of 100 ppm. The highest concentration was reported in a sample collected adjacent to the product line directly west of the onsite building, where 5,000 ppm was reported. From the borings, only fourteen soil samples have reported TPHg, of which only four samples reported levels greater than 100 ppm. Three of these samples were located in the area of the former premium UST at the southeast corner of the Site's main building. The fourth sample was collected near the east dispenser island and it's product lines. All four samples were collected at shallow depths that ranged from 0.5 feet to 5.5 feet bgs. It is therefore concluded that with these results and the Site's shallow depth to groundwater that the extent of soil contamination is minimal.

There are six (6) groundwater monitoring wells at the Site which have been subjected to sixteen rounds of groundwater monitoring. In addition, grab groundwater samples have been collected from 29 borings, of which three had samples collected at different vertical depths to evaluate the vertical migration of the contamination. Further samples were collected from the UST removal excavations and from test pit excavated prior to the installation of the Site's current USTs. Significantly elevated contaminant levels (TPHg at 320,000 ppb) were reported from the premium UST pit following its removal. Laboratory analysis of the groundwater from the monitoring wells has consistently reported TPHg, BTXE, and MTBE in all the wells, except well MW-1, in the northeast corner of the service station. The highest levels of contamination have consistently been reported in well MW-5, which is in the southeast corner of the Site, in the area of the former gasoline UST system and MW-4, near the Site's product lines. Groundwater contamination has also consistently been reported in wells MW-3 and MW-6, both on the Site's western property boundary. The presence of contamination in these wells, along with the presence of petroleum hydrocarbons in the recent grab samples from borings on the west side of Central Avenue (B-40 reported TPHg at 130 ppb) indicates that the contamination has migrated offsite and is present beneath Central Avenue. Analysis of the grab groundwater samples has also identified the presence of groundwater throughout the whole of the southern portion of the Site from the site of the former UST (B-22 @ 10', reported TPHg at 23,000 ppb). In addition, groundwater contamination was identified in the vicinity of the dispensers in boring B-29 (TPHg at 3,400 ppb) to the east of the dispensers and B-30 (TPHg at 2,700 ppb) to the west of the dispensers. The BTXE compounds and the fuel oxygenates are found in the same area as the TPHg, although levels of MTBE appear to be greater in the area of the dispensers and the northern portion of the Site. The lateral extents of TPHg and MTBE are shown in Figures 9 and 10.

The extent of any vertical migration of contamination is unknown. To date only three locations have been subject to multi-depth sampling. Of these sites, two (B-37 and B-39) were offsite, on the west side of Central Avenue. At both locations no contamination of concern was identified. However, the third location (B-22) had elevated concentrations at multiple depths (23,000 ppb and 5,800 ppb of TPHg at ten feet and 15 feet, respectively), indicating that some vertical migration has occurred.

There are no known potential sensitive receptors onsite. However, drainage ditches are present on both sides of Central Avenue, and a wetland-like area "not officially characterized", is present beyond the drainage ditch on the west side of Central Avenue. With the shallow depth to groundwater, and the known groundwater flow direction, there is the potential of these features being impacted. Other potential sensitive receptors may be present but are currently unknown, but will be identified during the scheduled SRS.

9.0 REMEDIAL ALTERNATIVES

9.1 Remedial Introduction and Methods

This section presents a review of remedial alternatives that may be applicable to the Site to meet the Site's remedial objectives. The alternatives were developed based upon proven technologies, engineering judgments, and professional experience.

Subsurface evaluations at the Site have determined that soil contamination at the Site is minimal, with the majority of the soil contamination being removed during the removal of the UST. However, groundwater contaminated with petroleum hydrocarbons is widespread across the Site, and appears to have migrated offsite, reaching the west side of Central Avenue. It is therefore proposed to apply active remediation to the soil/groundwater interface, allowing any remaining soil contamination to be addressed by groundwater flushing of the soils and natural attenuation.

A factor in the consideration of any remedial action will be site constraints, at the Big Foot Gas facility. These include:

- Active UST system and the associated piping.
- Public thoroughfares (Central Avenue).
- Drainage ditches running either side of Central Avenue.
- Underground Utilities.

The following four (4) potential remedial action alternatives are being considered:

1. Pump and Treat, with disposal to the sanitary sewer.
2. Air Sparing.
3. Hydrogen Peroxide Injection.
4. No Action, with Monitoring.

Any active remediation would be conducted until remedial objectives have been met or until it was shown the remedial action was no longer practical. Following the remedial action, groundwater monitoring would be conducted for a minimum of one (1) year.

9.1.1 Alternative 1: Pump and Treat

Under Alternative 1, a pump and treat system (PTS) would be installed to address the groundwater contamination, which would also assist in flushing the soils of any residual contamination. The PTS would consist of one (1) horizontal well in a trench along the western boundary of the Site, and perpendicular to the direction of groundwater flow. The well would be constructed of large diameter perforated drain pipe, surrounded with pea gravel within an eight (8) foot deep trench. The well and trench would be graded towards a sump which would be located at one end of the well/trench. Groundwater would be pumped from the well/trench into a holding tank, where any free product would be allowed to separate and could be removed, after which any contaminants would be separated, into the vapor phase, from the extracted groundwater with an air stripper. The resulting vapors if warranted would be treated prior to being discharged to the atmosphere. The treated groundwater would be polished with granular activated carbon (GAC) and discharged into the onsite sanitary sewer. Based upon extracted contaminant levels it may be possible to treat the groundwater with GAC only, or if post air stripper concentrations are considered low enough, GAC polishing may not be required. An enclosure would be constructed to house the holding tank and other treatment equipment protecting both the public and the equipment itself. Outside of the enclosure all piping from the well and to the sanitary sewer would be underground.

This system would provide hydraulic control at the Site which in true would minimize the spread of contamination migrating offsite, but would likely have minimal effect on the contamination that has already migrated past the Site's western boundary, particularly, the contamination identified on the west side of Central Avenue. This contamination is generally deep and is generally inaccessible, except at extreme cost. However, it would be subject to natural attenuation.

9.1.2 Alternative 2: Bio-Sparging

Alternative 2 would require the installation of a sparging system across the contaminate plume. Biosparging is an in-situ remedial technology that uses indigenous microorganisms to enhance the biodegradation of the contamination. Sparge wells would be installed throughout the area of the plume on a grid pattern on 20 feet centers, which would allow the injection of oxygen-rich air, i.e. ozone. Based on this spacing and the area of the plume, a total of 22 onsite sparge wells would be required, plus another three (3) on the west side of Central Avenue, if feasible. The sparge wells would be constructed in a manner that would allow oxygen-rich air to be sparged, along with nutrients if required, into the groundwater. The injected oxygen-rich air would oxidizes the hydrocarbon contamination in the groundwater and the capillary fridge, and enhance the biodegradation of the contamination. The injection would be conducted with an automatic system onsite; however, any sparge wells on the west side of Central would likely require manual injection.

The location of Central Avenue will not allow the placement of any wells, hence the groundwater contamination beneath the road would not be addressed, although it would be subject to the normal natural attenuation processes. Additionally, the presence of shallow groundwater would require any injection to be conducted at relative low pressures, so not to cause any mounding of the groundwater which could affect the surface paving and any underground utilities, including the current USTs and the associated piping. The shallow groundwater would also prevent any vapor extraction. Prior to installing any biosparging system a pilot test would be required to determine the feasibility of biosparging. This would include

determining the groundwater chemistry and if indigenous bacteria and adequate nutrients are present.

9.1.3 Alternative 3: Chemical Oxidization/Injection

Alternative 3 involves the injection of an oxidizing material, i.e. hydrogen peroxide, sodium persulfate, in the hydrocarbon contaminated groundwater which converts the petroleum hydrocarbons to carbon dioxide and water, and hence reduces their concentration in the groundwater. Another bi-product may be oxygen, which would enhance the biodegradation of the contamination. This process can often achieve remedial objectives in a relatively short time frame, but at a high financial cost. Injection wells would be installed throughout the area of the plume on a grid pattern on 15 feet centers, to allow the injection of the chemical oxidizer. The actual spacing may need to be altered based on the chemical oxidizer being used. Based on this spacing and the area of the plume approximately 30 onsite injection wells would be required, plus another four on the west side of Central Avenue, if feasible. In addition, injection may be possible along Central Avenue, with approval from traffic agencies. The injection wells would be constructed in a manner that would allow an oxidizing chemical, normally in liquid form, to be repeatedly injected into the groundwater. The injection would be conducted with an automatic system onsite; however, any injection wells on the west side of Central would likely require manual injection.

The location of Central Avenue will not allow the placement of any wells hence the groundwater contamination beneath the road would not be addressed, although it would be subject to the normal natural attenuation processes. Additionally, the presence of the shallow groundwater would require any injections of the oxidizer to be conducted in low concentrations to control the reaction and possible near surface off-gassing of explosive gases, and at relative low pressures, to minimize mounding of the groundwater which could affect the surface paving and any underground utilities, including the current USTs and the associated piping. The shallow groundwater would also minimize the potential for vapor extraction. Prior to installing any chemical oxidizing system, a pilot test would be conducted to determine the feasibility of the process and groundwater quality, i.e. pH.

9.1.4 Alternative 4: No Action with Monitored Natural Attenuation

Alternative 4 would not involve any active groundwater remediation, but relies on passive natural attenuation processes to achieve the Site-specific remediation objective. The current groundwater monitoring program would be continued, but would include monitoring for parameters such as: Dissolved Oxygen (DO), Dissolved Carbon Dioxide (DCO2), and Oxidization-Reduction Potential (ORP). DO, DCO@, and ORP are all monitoring parameters of bioremediation. This alternative is low cost, but conducted on a long-term basic, i.e. years.

9.2 Analysis of Remedial Alternatives

This section evaluates the various remedial alternatives that meet the remedial objectives. The remedial objectives are to reduce the levels of petroleum hydrocarbons in the groundwater to levels that meet the regions "Water Quality Objectives". This may be drinking water standards or levels than eliminate the potential of environmental liability, i.e. impacting a drinking water well or creek.

9.2.1 Screening Criteria

The remedial alternatives are evaluated in accordance with established criteria that includes:

- Regulatory compliance: does it address the requirements of HCDEH and the RWQCB.
- Long Term Effectiveness: meets long term remedial goals.
- Provides sufficient overall protection to human health and the environment.
- Reduction in toxicity, mobility, and concentration.
- Schedule: Can the work be implemented and remedial goals be met in an acceptable time frame.
- Cost: Is the cost (capital and operational) reasonable to meet the goals of the remediation.

Each of the remedial alternatives are ranked according to these criteria, with the most favorable or best alternative being assigned a value of four (4), and the least favorable alternative being assigned a value of zero (0).

9.2.2 Evaluation of Alternative based on Screening Criteria

9.2.2.1 Regulatory Compliance

The lead regulatory agency, HCDEH, is requiring that that corrective action be implemented at the Site. Alternatives 1, 2, and 3, will meet that requirement; however, Alternative 4 is not particularly efficient at meeting the objective. Therefore Alternatives 1, 2, and 3, are given a value of 3, whereas Alternative 4 is assigned a value of zero (0).

9.2.2.2 Effectiveness

Alternative 1 is considered effective as it would remove the groundwater contamination and it would provide a barrier which would prevent further offsite migration of any contamination. However, it would not address the majority of the contaminations that has already migrated offsite and is present beneath and on the west side of Central Avenue. Therefore Alternative 1 has been given a value of 2.

Alternative 2 (Bio Slurping) is considered to be effective as it would significant increase the volume of oxygen and nutrients in the subsurface which would enhance biodegradation of the contamination. In addition, some oxidization of the contamination would occur. Although, the contamination beneath Central Avenue, would not be directly addressed, manual injection, may allow treatment of the contamination and provide a barrier to further migration on the west side of Central Avenue. Therefore Alternative 2 has been given a value of 3.

Alternative 3 (ISCO) is considered to be effective as it has the potential to accelerate the groundwater remediation by the rapid oxidation of any hydrocarbon contamination. Although, the contamination beneath Central Avenue, would not be addressed, manual injection, may allow

treatment of the contamination and provide a barrier to further migration on the west side of Central Avenue. Therefore Alternative 3 has been given a value of three (3).

Alternative 4 (MNA) ongoing monitoring has shown some general reduction in the levels of petroleum hydrocarbons in the groundwater, however, it indicates that Alternative 4 is not quickly effective in the removal of contamination or enhancing bioremediation. Therefore Alternative 4 has been given a value of one (1).

9.2.2.3 Overall Protection

Alternatives 1, 2, and 3 will all treat the groundwater beneath the Site, with Alternative 1 involving external treatment, whereas Alternative 2 and 3, would conduct the remediation in-situ. However, only Alternatives 2 and 3 could efficiently treat the offsite groundwater contamination. Due to the extraction of the groundwater, and aboveground storage and treatment, there would be some potential exposure, however, it would likely be minimal. Alternatives 2 and 3 would have some minimal exposure during the during sparge/injection well installation, although greater exposure will occur during the operation of the alternatives, i.e. handling and injection of chemicals. Alternative 4 provides no protection from the continued migrations of contaminants off the Site and on to adjacent properties other than natural attenuation, unless it comes in contact with a sensitive receptor when there is no increase to the current level of protection. Therefore, Alternative 1 has been given a value of two (2), Alternatives 2 and 3 have both been given a value of 2.5, and Alternative 4 has been given a value of 1.

9.2.2.4 Contamination Reduction

Alternatives 1, 2, and 3, would all reduce the levels of petroleum hydrocarbons in the groundwater. However, only Alternatives 2 and 3 could be utilized offsite and address the contamination on the west side of Central Avenue. Alternative 4 will not reduce toxicity, volume, or mobility of contaminants except by natural attenuation. Therefore, Alternative 1 has been given a value of 2, Alternatives 2 and 3 have both been given a value of 3, and Alternative

4 has been given a value of zero (0).

9.2.2.5 Implementation

Alternatives 2 and 3 will likely be the most difficult to implement, due to permitting, capital equipment requirements, and training associated with the handling of chemicals. Alternative 1 would be easier to implement as no offsite activities are involved. Once the system is in-place, both Alternatives 1 and 2 would require an ongoing Operation and Maintenance program. Initially Alternative 3 would require an increased sampling regiment but after a few months re-injection would be evaluated. Additionally, alternative 3 would not require extensive long term O&M. Alternative 4 would be the easiest to implement due to no activities are required than the ongoing groundwater monitoring. Therefore Alternatives 1, 2, and 3, are assigned values of 3, 2, and 2, respectively, and Alternative 4 is assigned a 3.5

9.2.2.6 Schedule

Alternative 4 is currently ongoing, and hence would require the least amount of time to implement, although with this alternative groundwater monitoring and reporting could be conducted indefinitely. As a result, Alternative 4 has been given a value of one (1). Alternative 1, 2, and 3 would take approximately six months to permit, rent or purchase capital equipment, install, and implant. In addition, pilot tests would be required for Alternative 2 and 3, prior to starting the formal permitting. Until a system starts to operate and some base monitoring is conducted it is difficult to estimate the operation time to completion. However, based on general experience, it is possible that onsite treatment by Alternatives 1 and 2 could be completed in two (2) to three (3) years, whereas Alternative 3 would likely be completed within weeks or months. Alternatives 1, 2, and 3, would all require a minimum of one year of groundwater monitoring, once the treatment has been completed.

9.2.2.7 Cost

The Table below summarizes the estimated capital and O&M costs to implement, maintain, and operate each of the Alternatives. In addition to these costs, Alternatives 1, 2, and 3 would

require one year of groundwater monitoring once remedial objectives have been met.

Alternative	Method	Duration (Years)	Cost (Estimates)	Score
1	Pump and Treat	2 - 3	$ 180,000.00	2
2	Biosparging	2 - 3	$ 250,000.00	1.5
3	Chemical Oxidation	0.5	$ 200,000.00	2
4	No Action with Monitored Natural Attenuation	10 +	$ 80,000.00	3

9.3 Proposed Remedial Alternative

A summary of all the scores is presented in the table on the following page. Alternatives 1, 2, and 3, all meet the regulatory compliance criteria. Alternative 1, would only be able to address the contamination currently onsite. Although a review of groundwater monitoring data indicates some natural attenuation, Alternative 4 would require an extended period of time and the ongoing groundwater monitoring does not indicate a acceptable rate of natural attenuation. Alternatives 2 and 3 would both address the contamination, and can be applied to the offsite contamination with minimal impact; however, Alternative 2 would likely require more time, and hence result in a higher total cost. Based on these facts and the overall score, as presented in the table, Alternative 3 is the choice alternative.

	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Criteria	Pump and Treat	Biosparging	Chemical Oxidation	No Action w/Monitoring
Regulatory Compliance	3	3	3	0
Effectiveness	2	3	3	1
Overall Protection	2	2.5	2.5	1
Contamination Reduction	2	2.5	3	0
Implementation	2.5	2	2	3.5
Schedule	2	2	3	1
Cost	2	1.5	2	3
Overall Score	15.5	16.5	18.5	9.5

Alternative 3, Chemical Oxidation, is a proven technology for the degradation of petroleum hydrocarbons, and is ranked to be the most effective option overall. SounPacific proposes that Chemical Oxidation be implemented with continued groundwater monitoring of all existing wells, plus an additional well on the west side of Central Avenue. However, prior to any full scale implementation a pilot test would be need to be conducted.

9.4 Schedule

Within eight (8) weeks of approval of the Corrective Action Plan (CAP), SounPacific will prepare a Pilot Test Work Plan. Once approved, the pilot test will be implemented within six (6) weeks, providing the availability of equipment. On the assumption that the pilot test will be successful, a Remedial Action Plan will be prepared which documents a detailed design of the proposed remediation and the monitoring that will occur to document the corrective action of the groundwater.

10.0 SUMMARY AND RECOMMENDATIONS

The following is a summary of the findings presented in the ROF and the CAP:

- Soil analytical results from this investigation indicate that no remaining significant impact from the USTs removed in 1991 has been detected. Groundwater, which is very shallow, is impacted and is detected throughout much of the Site (Figures 7 and 8), and has migrated to the west beneath Central Avenue.

- The levels of groundwater contamination, which includes TPHg, BTXE, and MTBE, are elevated enough to require active remedial action. No remedial action, other than natural attenuation, is currently proposed to address the minimal volume of soil contamination that has been identified in the vadose zone.

- Various active remedial alternatives for the treatment of groundwater were evaluated. Based on the review, it has been determined that chemical oxidization will likely be the most suited to remediate the contaminated groundwater at the Big Foot site. However, prior to implementing any system, a pilot test for the treatment would be conducted at the Site to confirm its suitability.

SounPacific recommends the following items to be incorporated into future proposed work:

- To allow for the future delineation and monitoring of the groundwater, additional monitoring wells should be considered. These would include wells in the following areas: along the Site's southern boundary, between MW-5 and MW-6; in the area of recent borings B-25 and B-29, to monitor the elevated contamination recently identified: and a well on the west side of Central Avenue to monitor contaminant levels, contaminant migration, and future remedial progress. Additional wells may be considered.

- All future analysis at the Site should be confined to TPHg, BTEX, and MTBE. These analytes have been identified as having originated from USTs removed from the Site in 1991.

- Conduct further investigation of the possible vertical migration of contaminants. To date only one boring (B-22) has been drilled and sampled to evaluate the vertical migration of contaminants. This will likely involve approximately four (4) borings with multi-depth sampling of soil and/or groundwater. Two (2) offsite borings did not identify any vertical migration.

- Review the data collected from the recently conducted Sensitive Receptor Survey, to determine if there are any offsite locations which have the potential of being impacted by the migrating contamination.

- Preparation of a Work Plan to conduct a pilot test to evaluate the effectiveness of chemical oxidation as the remedial alternative of choice and if successful, the preparation and implementation of a Remedial Action Plan.

CERTIFICATION

This report was prepared under the direct supervision of a California registered geologist at SounPacific. All information provided in this report including statements, conclusions and recommendations are based solely upon field observations and analyses performed by a state-certified laboratory. SounPacific is not responsible for laboratory errors.

SounPacific promises to perform all its work in a manner that is currently used by members in similar professions working in the same geographic area. SounPacific will do whatever is reasonable to ensure that data collection is accurate. Please note however, that rain, buried utilities, and other factors can influence groundwater depths, directions and other factors beyond what SounPacific could reasonably determine.

SounPacific

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Tables

Table 1
Water Levels
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample Location	Date	Depth to Bottom/ Feet BGS	Survey Height/ Feet AMSL	Depth to Water/ Feet BGS	Adjusted Elevation/ Feet AMSL
MW-1	5/1/2002	11.66	111.57	1.54	110.03
	5/30/2002	11.67	111.57	2.43	109.14
	7/3/2002	11.63	111.57	2.65	108.92
	8/3/2002	11.62	111.57	3.40	108.17
	9/4/2002	11.64	111.57	3.90	107.67
	10/4/2002	11.70	111.57	4.25	107.32
	11/4/2002	11.65	111.57	4.36	107.21
	12/2/2002	12.63	111.57	3.61	107.96
	1/6/2003	11.66	111.57	1.22	110.35
	2/5/2003	11.67	111.57	1.31	110.26
	3/7/2003	11.67	111.57	1.67	109.90
	4/8/2003	11.67	111.57	1.00	110.57
	5/12/2003	11.67	111.57	1.32	110.25
	8/2/2003	11.88	111.57	3.11	108.46
	11/8/2003	11.88	111.57	2.57	109.00
	2/5/2004	11.88	111.57	1.21	110.36
	5/4/2004	11.88	111.57	2.03	109.54
	8/9/2004	11.82	111.57	3.71	107.86
	11/5/2004	11.83	111.57	2.08	109.49
	2/6/2005	11.83	111.57	1.65	109.92
	5/13/2005	11.81	111.57	1.32	110.25
	8/9/2005	11.90	111.57	2.90	108.67
	11/9/2005	11.81	111.57	1.20	110.37
	3/8/2006	11.88	111.57	0.83	110.74
MW-2	5/1/2002	12.00	113.03	2.75	110.28
	5/30/2002	11.85	113.03	3.63	109.40
	7/3/2002	11.87	113.03	4.20	108.83
	8/3/2002	11.87	113.03	4.68	108.35
	9/4/2002	11.87	113.03	5.22	107.81
	10/4/2002	9.71	113.03	5.64	107.39
	11/4/2002	11.82	113.03	5.67	107.36
	12/2/2002	11.83	113.03	4.83	108.20
	1/6/2003	11.86	113.03	2.46	110.57
	2/5/2003	10.22	113.03	2.52	110.51
	3/7/2003	11.72	113.03	2.71	110.32
	4/8/2003	11.72	113.03	2.22	110.81
	5/12/2003	11.72	113.03	2.53	110.50
	8/2/2003	11.98	113.03	4.31	108.72
	11/8/2003	11.98	113.03	3.95	109.08
	2/5/2004	11.98	113.03	2.44	110.59
	5/4/2004	11.98	113.03	3.24	109.79
	8/9/2004	11.97	113.03	5.07	107.96
	11/5/2004	12.04	113.03	3.26	109.77
	2/6/2005	12.04	113.03	2.79	110.24
	5/13/2005	9.12	113.03	2.57	110.46
	8/9/2005	9.14	113.03	4.16	108.87
	11/9/2005	11.97	113.03	2.57	110.46
	3/8/2006	9.13	113.03	2.15	110.88

Table 1 (cont.)
Water Levels
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample Location	Date	Depth to Bottom/ Feet BGS	Survey Height/ Feet AMSL	Depth to Water/ Feet BGS	Adjusted Elevation/ Feet AMSL
MW-3	5/1/2002	11.39	112.13	2.15	109.98
	5/30/2002	11.24	112.13	2.94	109.19
	7/3/2002	11.25	112.13	3.41	108.72
	8/3/2002	11.24	112.13	3.84	108.29
	9/4/2002	11.21	112.13	4.32	107.81
	10/4/2002	11.22	112.13	4.69	107.44
	11/4/2002	11.22	112.13	4.83	107.30
	12/2/2002	11.23	112.13	4.02	108.11
	1/6/2003	11.25	112.13	1.91	110.22
	2/5/2003	11.25	112.13	2.00	110.13
	3/7/2003	11.29	112.13	2.30	109.83
	4/8/2003	11.29	112.13	1.69	110.44
	5/12/2003	11.29	112.13	1.99	110.14
	8/2/2003	11.46	112.13	3.57	108.56
	11/8/2003	11.46	112.13	3.00	109.13
	2/5/2004	11.46	112.13	1.91	110.22
	5/4/2004	11.46	112.13	2.61	109.52
	8/9/2004	11.46	112.13	4.14	107.99
	11/5/2004	11.40	112.13	2.67	109.46
	2/6/2005	11.40	112.13	2.30	109.83
	5/13/2005	11.42	112.13	1.98	110.15
	8/9/2005	11.50	112.13	3.40	108.73
	11/9/2005	11.40	112.13	1.95	110.18
	3/8/2006	11.67	112.13	1.55	110.58
MW-4	5/1/2002	11.34	112.76	2.44	110.32
	5/30/2002	11.14	112.76	3.28	109.48
	7/3/2002	11.11	112.76	3.84	108.92
	8/3/2002	11.14	112.76	4.32	108.44
	9/4/2002	11.12	112.76	4.86	107.90
	10/4/2002	11.12	112.76	5.24	107.52
	11/4/2002	11.05	112.76	5.36	107.40
	12/2/2002	11.08	112.76	4.51	108.25
	1/6/2003	11.05	112.76	2.04	110.72
	2/5/2003	11.06	112.76	2.17	110.59
	3/7/2003	11.24	112.76	2.51	110.25
	4/8/2003	11.24	112.76	1.69	111.07
	5/12/2003	11.24	112.76	3.14	109.62
	8/2/2003	11.32	112.76	4.03	108.73
	11/8/2003	11.32	112.76	3.31	109.45
	2/5/2004	11.32	112.76	2.03	110.73
	5/4/2004	11.32	112.76	2.85	109.91
	8/9/2004	11.32	112.76	4.64	108.12
	11/5/2004	11.20	112.76	2.87	109.89
	2/6/2005	11.27	112.76	2.51	110.25
	5/13/2005	11.24	112.76	2.14	110.62
	8/9/2005	11.49	112.76	3.77	108.99
	11/9/2005	11.23	112.76	2.00	110.76
	3/8/2006	12.61	112.76	1.59	111.17

Table 1 (cont.)
Water Levels
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample Location	Date	Depth to Bottom/ Feet BGS	Survey Height/ Feet AMSL	Depth to Water/ Feet BGS	Adjusted Elevation/ Feet AMSL
MW-5	5/1/2002	11.10	112.62	1.43	111.19
	5/30/2002	11.11	112.62	2.71	109.91
	7/3/2002	11.12	112.62	3.31	109.31
	8/3/2002	11.14	112.62	3.85	108.77
	9/4/2002	11.12	112.62	4.37	108.25
	10/4/2002	11.15	112.62	4.85	107.77
	11/4/2002	11.15	112.62	4.97	107.65
	12/2/2002	11.13	112.62	4.02	108.60
	1/6/2003	11.15	112.62	1.11	111.51
	2/5/2003	11.18	112.62	1.23	111.39
	3/7/2003	11.15	112.62	1.70	110.92
	4/8/2003	11.15	112.62	0.95	111.67
	5/12/2003	11.15	112.62	1.33	111.29
	8/2/2003	11.36	112.62	3.53	109.09
	11/8/2003	11.36	112.62	2.67	109.95
	2/5/2004	11.36	112.62	1.10	111.52
	5/4/2004	11.36	112.62	2.18	110.44
	8/9/2004	11.35	112.62	4.17	108.45
	11/5/2004	11.34	112.62	2.19	110.43
	2/6/2005	11.32	112.62	1.62	111.00
	5/13/2005	11.30	112.62	1.24	111.38
	8/9/2005	11.20	112.62	3.20	109.42
	11/9/2005	11.30	112.62	0.92	111.70
	3/8/2006	11.47	112.62	0.59	112.03
MW-6	5/1/2002	10.92	112.38	2.31	110.07
	5/30/2002	10.91	112.38	3.13	109.25
	7/3/2002	10.91	112.38	3.64	108.74
	8/3/2002	10.92	112.38	4.09	108.29
	9/4/2002	10.93	112.38	4.61	107.77
	10/4/2002	10.96	112.38	4.99	107.39
	11/4/2002	10.92	112.38	5.05	107.33
	12/2/2002	10.93	112.38	4.27	108.11
	1/6/2003	10.93	112.38	2.05	110.33
	2/5/2003	10.95	112.38	2.14	110.24
	3/7/2003	10.95	112.38	2.46	109.92
	4/8/2003	10.95	112.38	1.82	110.56
	5/12/2003	10.95	112.38	3.12	109.26
	8/2/2003	11.13	112.38	3.81	108.57
	11/8/2003	11.13	112.38	3.03	109.35
	2/5/2004	11.13	112.38	2.07	110.31
	5/4/2004	11.13	112.38	2.75	109.63
	8/9/2004	11.18	112.38	4.39	107.99
	11/5/2004	11.03	112.38	2.76	109.62
	2/6/2005	11.04	112.38	2.44	109.94
	5/13/2005	10.95	112.38	2.06	110.32
	8/9/2005	11.00	112.38	3.56	108.82
	11/9/2005	10.95	112.38	1.95	110.43
	3/8/2006	10.94	112.38	1.70	110.68

Notes:
Bgs: Below Ground Surface
Amsl: Mean Sea Level

Table 2
Groundwater Analytical Results
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample ID	Sample Location	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)	TPHs (ppb)	Methanol (ppb)	Ethanol (ppb)
TP-1	Test Pit #1	5/8/1991	----	----	----	----	----	----	----	----	----	----	----	----	----	----
TP-2	Test Pit #2	5/8/1991	ND < 50	----	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	----	----	----	----	----	----	----	----
TP-3	Test Pit #3	5/8/1991	----	----	----	----	----	----	----	----	----	----	----	ND < 50	----	----
Premium	Premium	7/11/1991	**320,000**	----	**54,000**	**4,800**	**19,000**	----	----	----	----	----	----	----	----	----
Kerosene	Kerosene	7/11/1991	----	----	----	----	----	----	----	----	----	----	----	**1,500**	----	----
SPBFB-1	B-1	9/20/2000	ND < 50	ND < 0.50	ND < 0.50	**2.8**	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	----	----	----	ND < 50	**22**
SPBFB-2	B-2	9/20/2000	ND < 50	ND < 0.50	ND < 0.50	**3.4**	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	----	----	----	ND < 50	**70**
SPBFB-3	B-3	9/20/2000	ND < 50	ND < 0.50	ND < 0.50	**1.2**	ND < 0.50	**0.54**	ND < 0.50	ND < 0.50	ND < 5.0	----	----	----	**82**	**110**
SPBFB-6	B-6	9/20/2000	ND < 50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	**1.0**	ND < 0.50	ND < 0.50	ND < 5.0	----	----	----	ND < 50	ND < 50
SPBFB-7	B-7	9/20/2000	**6,400**	**660**	**110**	**440**	**380**	**260**	**4.0**	ND < 2.0	**67**	----	----	----	ND < 200	ND < 20
SPBFB-8	B-8	9/20/2000	**140**	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	**580**	**85**	ND < 0.50	ND < 5.0	----	----	----	ND < 50	ND < 5.0
SPBFB-9	B-9	9/20/2000	ND < 50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	**180**	**9.9**	ND < 0.50	**26**	----	----	----	ND < 50	**16**
SPBFB-10	B-10	9/20/2000	**990**	**210**	**3.8**	**3.2**	**13**	**380**	ND < 0.50	**5.4**	**7.6**	----	----	----	ND < 50	ND < 20
SBGW-11	B-11	4/22/2002	**27,300**	**656**	**5,440**	**6,280**	**715**	**1,610**	**255**	ND < 0.5	ND < 0.5	**1,250**	ND < 50	----	----	----
SBGW-13	B-13	4/22/2002	ND < 50	ND < 0.3	**0.5**	**1.1**	ND < 0.3	ND < 2.0	ND < 0.5	ND < 0.5	ND < 50	ND < 50	ND < 50	----	----	----
SBGW-14	B-14	4/22/2002	**165**	**104**	**0.6**	**1**	ND < 0.3	ND < 2.0	ND < 0.5	ND < 0.5	ND < 50	ND < 50	ND < 50	----	----	----
SBGW-15	B-15	4/22/2002	**263**	ND < 0.3	**5.3**	**24.5**	**1.8**	ND < 2.0	ND < 0.5	ND < 0.5	ND < 50	ND < 50	ND < 50	----	----	----
SBGW-16	B-16	4/22/2002	ND < 50	ND < 0.3	ND < 0.3	ND < 0.6	ND < 0.3	ND < 2.0	ND < 0.5	ND < 0.5	ND < 50	ND < 50	ND < 50	----	----	----
SBGW-17	B-17	4/22/2002	ND < 25,000	ND < 150	ND < 150	ND < 300	ND < 150	ND < 1,000	ND < 250	ND < 250	ND < 25,000	**298,000**	ND < 50	----	----	----
SBGW-18	B-18	4/22/2002	ND < 50	ND < 0.3	**1.0**	**2.6**	ND < 0.3	**2.1**	ND < 0.5	ND < 0.5	ND < 50	ND < 50	ND < 50	----	----	----

Table 2 (cont.)
Groundwater Analytical Results
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample ID	Sample Location	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)	TPHs (ppb)	Methanol (ppb)	Ethanol (ppb)
B-19 @ 5'	B-19 (1)	2/2/2006	**94**	ND < 0.50	**1.2**	**0.62**	ND < 0.50	**73**	**6.2**	ND < 1.0	ND < 10	**520**	**20,000**	----	----	----
B-21 @ 4'	B-21 (1)	2/2/2006	ND < 50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 10	**280**	**860**	----	----	----
B-22 @ 10'	B-22 (1)	2/2/2006	**23,000**	**79**	**120**	**5,430**	**870**	**110**	**12**	**1.9**	**120**	**97**	**910**	----	----	----
B-22 @ 15'	B-22 (1)	2/2/2006	**5,800**	**22**	**41**	**1,060**	**180**	**94**	**7.5**	**1.4**	**65**	**92**	**640**	----	----	----
B-23 @ 9'	B-23 (1)	2/3/2006	ND < 50	ND < 0.50	**0.79**	**0.58**	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 10	**210**	**1,500**	----	----	----
B-25 @ 4'	B-25 (1)	2/3/2006	**1,200**	**14**	**1.1**	**1.1**	ND < 1.0	**1,300**	**1.4**	ND < 1.0	**43**	ND < 500	**7,700**	----	----	----
B-27 @ 4.5'	B-27 (1)	2/3/2006	**110**	**0.53**	**1.0**	**0.65**	ND < 0.50	**88**	ND < 1.0	ND < 1.0	ND < 10	ND < 500	**5,100**	----	----	----
B-28 @ 4'	B-28 (1)	2/3/2006	**790**	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50	**500**	**190**	ND < 1.0	**170**	ND < 500	**4,200**	----	----	----
B-29 @ 6'	B-29 (1)	2/3/2006	**3,400**	**360**	**8.5**	**6.5**	**3.1**	**3,300**	**4.7**	**30**	**250**	**140**	**440**	----	----	----
B-30 @ 5'	B-30 (1)	2/3/2006	**2,700**	**9.1**	**2.5**	**4.7**	**0.87**	**3,300**	**160**	ND < 1.0	**270**	**160**	**420**	----	----	----
B-33 @ 5.5'	B-33 (1)	2/3/2006	**800**	**22**	**2.0**	**14**	**5.9**	**170**	**86**	ND < 1.0	**34**	ND < 500	**3,700**	----	----	----
B-37 @ 5'	B-37 (1)	2/9/2006	ND < 50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 10	ND < 50	ND < 170			
B-37 @ 24'	B-37 (1)	2/9/2006	ND < 50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 10	**61**	ND < 170			
B-38 @ 6'	B-38 (1)	2/9/2006	ND < 50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50	**6.5**	**2.1**	ND < 1.0	ND < 10	**84**	**190**			
B-39 @ 5'	B-39 (1)	2/9/2006	ND < 50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50	**4.9**	ND < 1.0	ND < 1.0	ND < 10	**93**	**3,100**			
B-39 @ 24'	B-39 (1)	2/9/2006	ND < 50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 10	ND < 50	**520**			
B-40 @ 6'	B-40 (1)	2/9/2006	**130**	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50	**76**	**27**	ND < 1.0	ND < 10	ND < 50	**260**			

notes:
TPHg: Total petroleum hydrocarbons as gasoline
MTBE: Methyl tertiary butyl ether
TAME: Tertiary amyl methyl ether
DIPE: Diisopropyl ether
TPHs: Total petroleum hydrocarbons as solvent
(1) Lead Scavengers EDB, EDC, CB, 2-DCB, 3-DCB, 4-DCB, all ND < 1.0 ppb

ETBE: Ethyl tertiary butyl ether
TBA: Tertiary butanol
EDB: 1,2-Dibromoethane
EDC: 1,2-Dichloroethane
2-DCB: 1,2-Dichlorobenzene

3-DCB: 1,3-Dichlorobenzene
4-DCB: 1,4-Dichlorobenzene
CB: Chlorobenzene
ppb: parts per billion = µg/l = .001 mg/l = 0.001 ppm.
ND: Not detected at or below the method detection limit as shown.

Laboratory analytical results for DIPE and dissolved lead were removed from this table to save space.

These constiuents were never reported at or above the laboratory detection limits.

Table 3
Soil Analytical Results
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	TAME (ppm)	TPHd (ppm)	TPHmo (ppm)
W-1	BF West #1	6/18/1991	**3**	ND < 0.005	**0.0067**	**0.049**	ND < 0.005	----	----	----	----
W-2	BF West #2	6/18/1991	**1.6**	ND < 0.005	**0.0067**	**0.02**	ND < 0.005	----	----	----	----
E-1	BF East #1	6/27/1991	**130**	**0.16**	**0.93**	ND < 2.0	ND < 2.0	----	----	----	----
E-2	BF East #2	6/27/1991	**210**	**1.9**	**17**	**20**	**3.4**	----	----	----	----
E-3	BF East #3	6/27/1991	**8**	**0.12**	**0.15**	**22**	**0.057**	----	----	----	----
S-1	BF South #1	6/27/1991	**88**	**0.062**	**0.18**	**0.34**	**0.065**	----	----	----	----
PN @ 5'6"	Premium North	7/11/1991	**7**	**0.049**	**0.0800**	**0.210**	**0.074**	----	----	----	----
PS @ 5'6"	Premium South	7/11/1991	**350**	ND < 0.50	**2.6**	**12.00**	**1.5**	----	----	----	----
S-1 @ 1'6"	South #1	7/11/1991	**36**	**0.0099**	**0.075**	**0.15**	**0.026**	----	----	----	----
S-3 @ 1'6"	South #3	7/11/1991	**5,000**	**14**	**280**	**510**	**96**	----	----	----	----
KE @ 6'	Kerosene East	7/11/1991	----	----	----	----	----	----	----	----	----
KW @ 6'	KeroseneWest	7/11/1991	----	----	----	----	----	----	----	----	----
B-1 @ 3.5'	B-1	3/22/1995	ND < 1	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	----	----	----	----
B-1 @ 5.5'	B-1	3/22/1995	ND < 1	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	----	----	----	----
SB-1A @ 1.5 '	SB-1	11/7/1995	**4,200**	ND < 1	**49**	**370**	**27**	----	----	----	----
SB-1B @ 3'	SB-1	11/7/1995	**5,600**	ND < 2	**97**	**590**	**59**	----	----	----	----
SB-1C @ 5.5'	SB-1	11/7/1995	**2,200**	**0.91**	**55**	**240**	**24**	----	----	----	----
SB-2A @ 3'	SB-2	11/7/1995	ND < 1	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	----	----	----	----
SB-2B @ 7.5'	SB-2	11/7/1995	**23**	**0.015**	**0.014**	**0.220**	**0.1200**	----	----	----	----
SB-3A @ 2'	SB-3	11/7/1995	ND < 0.2	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	----	----	ND < 1	----
SB-4A @ 2'	SB-4	11/7/1995	ND < 1	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	----	----	ND < 1	----

Table 3 (cont.)
Soil Analytical Results
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	TAME (ppm)	TPHd (ppm)	TPHmo (ppm)
SPBFB-1 @ 5'	B-1	9/20/2000	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.050	----	----	----
SPBFB-1 @ 10'	B-1	9/20/2000	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.050	----	----	----
SPBFB-2 @ 5'	B-2	9/20/2000	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.050	----	----	----
SPBFB-2 @ 9'	B-2	9/20/2000	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.050	----	----	----
SPBFB-3 @ 5'	B-3	9/20/2000	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.050	----	----	----
SPBFB-3 @ 10'	B-3	9/20/2000	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.050	----	----	----
SPBFB-5 @ 6"	B-5	9/20/2000	**22**	ND < 0.0050	**0.0096**	**0.077**	**0.0090**	ND < 0.050	----	**2,900**	----
SPBFB-6 @ 5'	B-6	9/20/2000	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.050	----	----	----
SPBFB-6 @ 7'	B-6	9/20/2000	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.050	----	----	----
SPBFB-7 @ 5'	B-7	9/20/2000	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.050	----	----	----
SPBFB-7 @ 7.4'	B-7	9/20/2000	ND < 1.0	**0.0061**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.050	----	----	----
SPBFB-8 @ 5'	B-8	9/20/2000	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	**0.15**	----	----	----
SPBFB-8 @ 7.5'	B-8	9/20/2000	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.050	----	----	----
SPBFB-9 @ 10'	B-9	9/20/2000	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.050	----	----	----
SPBFB-10 @ 5'	B-10	9/20/2000	**1.1**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.050	----	----	----
SPBFB-10 @ 6"	B-10	9/20/2000	**1,400**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.050	----	----	----
SPBFB-10 @ 9'	B-10	9/20/2000	ND < 1.0	**0.014**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.050	----	----	----
SB-11 @ 4'	B-11	4/22/2002	**2.342**	**0.068**	**0.447**	**0.995**	**0.116**	ND < 0.005	ND < 0.005	----	----
SB-13 @ 4'	B-13	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-13 @ 8'	B-13	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-13 @ 12'	B-13	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-14 @ 4'	B-14	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-14 @ 8'	B-14	4/22/2002	**1.99**	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-14 @ 12'	B-14	4/22/2002	**0.625**	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----

Table 3 (cont.)
Soil Analytical Results
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	TAME (ppm)	TPHd (ppm)	TPHmo (ppm)
SB-15 @ 4'	B-15	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-15 @ 8'	B-15	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-15 @ 12'	B-15	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-16 @ 4'	B-16	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-16 @ 8'	B-16	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-16 @ 12'	B-16	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-17 @ 4'	B-17	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	**0.023**	**0.023**	----	----
SB-17 @ 8'	B-17	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	**0.007**	**0.007**	----	----
SB-17 @ 12'	B-17	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-18 @ 4'	B-18	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-18 @ 8'	B-18	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
SB-18 @ 12'	B-18	4/22/2002	ND < 0.060	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	ND < 0.005	ND < 0.005	----	----
B-19 @ 2'	B-19 (1)	2/2/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**1.2**	ND < 10
B-19 @ 4'	B-19 (1)	2/2/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 100
B-19 @ 8'	B-19 (1)	2/2/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-21 @ 4'	B-21 (1)	2/2/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-22 @ 5'	B-22 (1)	2/2/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.072**	ND < 0.020	**4.8**	ND < 10
B-22 @ 10'	B-22 (1)	2/2/2006	**1.6**	ND < 0.0050	ND < 0.0050	**0.241**	**0.016**	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-22 @ 15'	B-22 (1)	2/2/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-22 @ 20'	B-22 (1)	2/2/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**1.2**	ND < 10
B-22 @ 25'	B-22 (1)	2/2/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-22 @ 30'	B-22 (1)	2/2/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-23 @ 5'	B-23 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**3.5**	**11**
B-23 @ 8'	B-23 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**1.3**	ND < 10

Table 3 (cont.)
Soil Analytical Results
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	TAME (ppm)	TPHd (ppm)	TPHmo (ppm)
B-25 @ 2'	B-25 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.050**	ND < 0.020	**2.2**	ND < 10
B-25 @ 8'	B-25 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.11**	ND < 0.020	ND < 1.0	ND < 10
B-25 @ 12'	B-25 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.16**	ND < 0.020	ND < 1.0	ND < 10
B-27 @ 2'	B-27 (1)	2/3/2006	**1.1**	ND < 0.0050	ND < 0.0050	**0.054**	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-27 @ 4'	B-27 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-27 @ 8'	B-27 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-27 @ 12'	B-27 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-28 @ 2'	B-28 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-28 @ 10'	B-28 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-29 @ 2'	B-29 (1)	2/3/2006	**3.2**	**0.0069**	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.038**	ND < 0.020	ND < 1.0	ND < 10
B-29 @ 4'	B-29 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.059**	ND < 0.020	ND < 1.0	ND < 10
B-29 @ 12'	B-29 (1)	2/3/2006	ND < 1.0	**0.037**	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.23**	ND < 0.020	ND < 1.0	ND < 10
B-30 @ 2'	B-30 (1)	2/3/2006	**1.2**	ND < 0.0050	ND < 0.0050	ND < 0.0150	**0.0056**	**0.30**	**0.074**	**6.0**	ND < 10
B-30 @ 5'	B-30 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.33**	ND < 0.020	**1.5**	ND < 10
B-30 @ 10'	B-30 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.074**	ND < 0.020	ND < 1.0	ND < 10
B-30 @ 15'	B-30 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-30 @ 20'	B-30 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-30 @ 25'	B-30 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-30 @ 30'	B-30 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-33 @ 2'	B-33 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**1.3**	**51**
B-33 @ 4'	B-33 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.027**	ND < 0.020	ND < 1.0	**12**
B-33 @ 8'	B-33 (1)	2/3/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	**0.037**	ND < 0.020	ND < 1.0	ND < 10
B-37 @ 4'	B-37 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**1.1**	ND < 10
B-37 @ 10'	B-37 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	**12**
B-37 @ 20'	B-37 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10

Table 3 (cont.)
Soil Analytical Results
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	TAME (ppm)	TPHd (ppm)	TPHmo (ppm)
B-38 @ 4'	B-38 (1)	2/9/2006	ND < 1.0	ND < 0.0050	**0.012**	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	**19**
B-38 @ 8'	B-38 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**1.1**	ND < 10
B-38 @ 12'	B-38 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10
B-39 @ 4'	B-39 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**1.1**	ND < 10
B-39 @ 10'	B-39 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**18**	ND < 10
B-39 @ 15'	B-39 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**3.5**	ND < 10
B-39 @ 20'	B-39 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**90**	**21**
B-40 @ 4'	B-40 (1)	2/9/2006	ND < 1.0	ND < 0.0050	**0.0089**	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**1.8**	ND < 10
B-40 @ 8'	B-40 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	**1.3**	ND < 10
B-40 @ 12'	B-40 (1)	2/9/2006	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 1.0	ND < 10

Notes:
TPHg: Total petroleum hydrocarbons as gasoline
MTBE: Methyl tertiary butyl ether
TAME: Tertiary amyl methyl ether
DIPE: Diisopropyl ether
TPHs: Total petroleum hydrocarbons as solvent
ETBE: Ethyl tertiary butyl ether
TBA: Tertiary butanol
EDB: 1,2-Dibromoethane
EDC: 1,2-Dichloroethane
2-DCB: 1,2-Dichlorobenzene
3-DCB: 1,3-Dichlorobenzene
4-DCB: 1,4-Dichlorobenzene
CB: Chlorobenzene
ppm: parts per million = µg/g = mg/kg = 1000µg/kg.
ND: Not detected at or below the method detection limit as shown.
(1) Lead Scavengers EDB & EDC ND < 0.020, CB, 2-DCB, 3-DCB, & 4-DCB ND < 0.0050
Laboratory analytical results for lead and TPHs were removed from this table to save space.
These constiuents were never reported at or above the laboratory detection limits.

Table 4
Groundwater Analytical Results from Monitoring Wells
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample Location	Sample Event	Annual Quarter	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)	EDC (ppb)
MW-1	Well Installation	2nd Quarter	5/1/2002	ND < 50	ND < 0.3	**0.3**	ND < 0.6	ND < 0.3	**10.5**	ND < 0.5	ND < 0.5	ND < 100	ND < 50	ND < 50	----
	1st Quarterly	3rd Quarter	8/3/2002	**91**	ND < 0.3	ND < 0.3	ND < 0.6	ND < 0.3	**114**	**7.5**	ND < 0.5	ND < 100	ND < 50	ND < 50	----
	2nd Quarterly	4th Quarter	11/4/2002	**90.4**	ND < 0.3	ND < 0.3	ND < 0.6	ND < 0.3	**94.7**	**7.6**	ND < 0.5	ND < 50	ND < 50	ND < 50	ND < 0.5
	3rd Quarterly	1st Quarter	2/5/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	4th Quarterly	2nd Quarter	5/12/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	5th Quarterly	3rd Quarter	8/2/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**23**	**1.0**	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	6th Quarterly	4th Quarter	11/8/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**88**	**3.5**	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	7th Quarterly	1st Quarter	2/5/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**0.5**	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	8th Quarterly	2nd Quarter	5/4/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**0.5**	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	9th Quarterly	3rd Quarter	8/9/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.5	ND < 0.5	**34.0**	**1.2**	ND < 0.5	ND < 5.0	**160**	ND < 500	ND < 0.5
	10th Quarterly	4th Quarter	11/5/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.5	ND < 0.5	**14**	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	11th Quarterly	1st Quarter	2/6/2005	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 50.0	ND < 50	ND < 50	----
	12th Quarterly	2nd Quarter	5/13/2005	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 50.0	ND < 50	ND < 50	----
	13th Quarterly	3rd Quarter	8/9/2005	ND < 50.0	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**1.6**	ND < 0.5	ND < 0.5	ND < 50.0	ND < 50	ND < 50	----
	14th Quarterly	4th Quarter	11/9/2005	ND < 50.0	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**12.9**	**0.5**	ND < 0.5	ND < 50.0	ND < 50	ND < 50	----
	15th Quarterly	1st Quarter	3/8/2006	ND < 50.0	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 50.0	ND < 50	ND < 50	----
MW-2	Well Installation	2nd Quarter	5/1/2002	**498**	ND < 0.3	ND < 0.3	**3.9**	**1.3**	**1,380**	**552**	ND < 0.5	ND < 100	ND < 50	ND < 50	----
	1st Quarterly	3rd Quarter	8/3/2002	**8,870**	**15.7**	**0.5**	**3.9**	**2.2**	**8,160**	**3,460**	ND < 0.5	ND < 100	ND < 50	ND < 50	----
	2nd Quarterly	4th Quarter	11/4/2002	**674**	**28.3**	ND < 0.3	ND < 0.6	ND < 0.3	**1,130**	**526**	ND < 0.5	ND < 50	ND < 50	ND < 50	ND < 0.5
	3rd Quarterly	1st Quarter	2/5/2003	**1,200**	**0.5**	ND < 0.5	ND < 1	ND < 0.5	**1,900**	**800**	**4.9**	**690**	ND < 50	ND < 500	ND < 0.5
	4th Quarterly	2nd Quarter	5/12/2003	**540**	ND < 50	ND < 50	ND < 100	ND < 50	**730**	**140**	ND < 50	ND < 500	ND < 50	ND < 500	ND < 50
	5th Quarterly	3rd Quarter	8/2/2003	ND < 5,000	ND < 50	ND < 50	ND < 100	ND < 50	**1,200**	**430**	ND < 50	ND < 500	**140**	ND < 500	ND < 50
	6th Quarterly	4th Quarter	11/8/2003	**790**	ND < 50	ND < 50	ND < 100	ND < 50	**4,200**	**1,800**	ND < 50	ND < 500	**150**	ND < 500	ND < 50
	7th Quarterly	1st Quarter	2/5/2004	**440**	ND < 50	**85**	**120**	ND < 50	**1,700**	**860**	ND < 50	ND < 500	**93**	ND < 500	ND < 50
	8th Quarterly	2nd Quarter	5/4/2004	**1,300**	ND < 5.0	ND < 5.0	ND < 10.0	ND < 5.0	**1,200**	**530**	ND < 50	ND < 500	**190**	ND < 500	ND < 50
	9th Quarterly	3rd Quarter	8/9/2004	**1,900**	ND < 5.0	ND < 5.0	ND < 15.0	ND < 5.0	**2,700**	**1,100**	**7.2**	**730**	**420**	ND < 500	ND < 5.0
	10th Quarterly	4th Quarter	11/5/2004	**1,400**	**5.8**	ND < 5.0	ND < 15.0	ND < 5.0	**970**	**460**	ND < 5.0	**230**	**160**	ND < 500	ND < 5.0
	11th Quarterly	1st Quarter	2/6/2005	**1,230**	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**1,170**	**504**	**3.6**	**279**	**208**	**166**	----
	12th Quarterly	2nd Quarter	5/13/2005	**658**	ND < 2.0	ND < 2.0	ND < 4.0	ND < 2.0	**533**	**241**	ND < 2.0	ND < 200	**136**	**120**	----
	13th Quarterly	3rd Quarter	8/9/2005	**3,080**	ND < 2.5	ND < 2.5	ND < 5.0	ND < 2.5	**1,970**	**787**	**5.8**	**373**	**520**	**312**	----
	14th Quarterly	4th Quarter	11/9/2005	**1,680**	ND < 5.0	ND < 5.0	ND < 10.0	ND < 5.0	**1,980**	**760**	**5.7**	ND < 500	**408**	**253**	----
	15th Quarterly	1st Quarter	3/8/2006	**336**	ND < 1.0	ND < 1.0	ND < 2.0	ND < 1.0	**308**	**155**	ND < 1.0	ND < 100	**138**	**144**	----
MW-3	Well Installation	2nd Quarter	5/1/2002	**102**	**2.9**	ND < 0.3	**5.0**	**0.8**	**153**	**46.3**	ND < 0.5	ND < 100	ND < 50	ND < 50	----
	1st Quarterly	3rd Quarter	8/3/2002	**8,260**	**383**	**145**	**1,970**	**420**	**4,000**	**1,580**	ND < 0.5	ND < 100	**916**	ND < 50	----
	2nd Quarterly	4th Quarter	11/4/2002	**537**	**30.8**	**0.7**	**39.5**	**24.9**	**928**	**358**	ND < 0.5	ND < 50	ND < 50	ND < 50	ND < 0.5
	3rd Quarterly	1st Quarter	2/5/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1	ND < 0.5	**100**	**27**	ND < 0.5	**17**	ND < 50	ND < 500	**1.6**
	4th Quarterly	2nd Quarter	5/12/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1	ND < 0.5	**28**	**5.5**	ND < 0.5	ND < 5.0	ND < 50	ND < 500	**1.2**
	5th Quarterly	3rd Quarter	8/2/2003	**6,400**	**75**	ND < 5.0	**1,000**	**460**	**1,200**	**540**	ND < 5.0	**530**	ND < 50	ND < 500	ND < 5.0
	6th Quarterly	4th Quarter	11/8/2003	**52**	ND < 0.5	ND < 0.5	**1.2**	**0.5**	**120**	**68**	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	7th Quarterly	1st Quarter	2/5/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1	ND < 0.5	**40**	**9.4**	ND < 0.5	ND < 5.0	ND < 50	ND < 500	**0.9**
	8th Quarterly	2nd Quarter	5/4/2004	**82**	ND < 0.5	ND < 0.5	**0.5**	ND < 0.5	**57**	**32**	ND < 0.5	ND < 5.0	**55**	ND < 500	ND < 0.5
	9th Quarterly	3rd Quarter	8/9/2004	**970**	**6.0**	ND < 0.5	ND < 1.5	**3.6**	**1,500**	**530**	ND < 0.5	**90**	**250**	ND < 500	**1.5**
	10th Quarterly	4th Quarter	11/5/2004	**100**	ND < 0.5	ND < 0.5	ND < 1.5	ND < 0.5	**63**	**19**	ND < 0.5	ND < 5.0	**240**	ND < 500	ND < 0.5
	11th Quarterly	1st Quarter	2/6/2005	**183**	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**172**	**56.1**	ND < 0.5	ND < 50	**51**	**95**	----
	12th Quarterly	2nd Quarter	5/13/2005	**183**	ND < 1.2	ND < 1.2	ND < 2.5	ND < 1.2	**163**	**52.6**	ND < 1.2	ND < 125	**70**	**84**	----
	13th Quarterly	3rd Quarter	8/9/2005	**379**	ND < 1.0	ND < 1.0	ND < 2.0	ND < 1.0	**252**	**102**	ND < 1.0	ND < 100	**63**	**76**	----
	14th Quarterly	4th Quarter	11/9/2005	**155**	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**154**	**63.5**	ND < 0.5	ND < 50.0	ND < 50	**70**	----
	15th Quarterly	1st Quarter	3/8/2006	**54.8**	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**50.5**	**14.0**	ND < 0.5	ND < 50.0	**55**	ND < 50	----

Table 4 (cont.)
Groundwater Analytical Results from Monitoring Wells
Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Sample Location	Sample Event	Annual Quarter	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)	EDC (ppb)
MW-4	Well Installation	2nd Quarter	5/1/2002	**7,970**	**157**	**356**	**1,270**	**483**	ND < 20	ND < 5	ND < 5	ND < 1,000	**489**	ND < 50	----
	1st Quarterly	3rd Quarter	8/3/2002	**9,150**	**193**	**720**	**2,430**	**1,080**	**53**	ND < 15	ND < 15	ND < 5,000	**2,770**	ND < 50	----
	2nd Quarterly	4th Quarter	11/4/2002	**6,090**	**207**	**343**	**712**	**530**	ND < 2.0	ND < 0.5	ND < 0.5	ND < 50	**159**	ND < 50	ND < 0.5
	3rd Quarterly	1st Quarter	2/5/2003	**20,000**	**170**	**120**	**890**	**600**	ND < 5.0	ND < 5.0	ND < 5.0	ND < 50	**2,000**	ND < 500	ND < 5.0
	4th Quarterly	2nd Quarter	5/12/2003	**6,200**	**96**	**77**	**248**	**220**	ND < 50	ND < 50	ND < 50	ND < 500	**680**	ND < 500	ND < 50
	5th Quarterly	3rd Quarter	8/2/2003	**7,700**	**130**	**59**	**406**	**470**	**31**	**20**	ND < 5.0	ND < 50	ND < 50	ND < 500	ND < 5.0
	6th Quarterly	4th Quarter	11/8/2003	**7,900**	**260**	**190**	**385**	**480**	**56**	ND < 5.0	ND < 5.0	ND < 50	**500**	ND < 500	ND < 5.0
	7th Quarterly	1st Quarter	2/5/2004	**7,600**	**180**	**110**	**334**	**460**	**29**	ND < 5.0	ND < 5.0	ND < 50	ND < 50	ND < 500	ND < 5.0
	8th Quarterly	2nd Quarter	5/4/2004	**8,000**	**130**	**140**	**504**	**420**	**19**	ND < 5.0	ND < 5.0	ND < 50	**1,300**	ND < 500	ND < 5.0
	9th Quarterly	3rd Quarter	8/9/2004	**5,600**	**120**	**44**	**302**	**360**	**67**	**13**	ND < 5.0	ND < 50	**850**	ND < 500	ND < 5.0
	10th Quarterly	4th Quarter	11/5/2004	**58**	**1.0**	ND < 0.5	ND < 1.5	ND < 0.5	**6.7**	**2.8**	ND < 0.5	ND < 5.0	**120**	ND < 500	ND < 0.5
	11th Quarterly	1st Quarter	2/6/2005	**6,230**	**83.5**	**120**	**602**	**343**	**11.5**	ND < 2.0	ND < 2.0	ND < 200	**729**	**121**	----
	12th Quarterly	2nd Quarter	5/13/2005	**3,950**	**31.4**	**80.4**	**493**	**193**	ND < 5.0	ND < 2.5	ND < 2.5	ND < 250	**708**	**106**	----
	13th Quarterly	3rd Quarter	8/9/2005	**5,270**	**59.5**	**53.2**	**299**	**210**	**14.2**	**1.9**	ND < 1.2	ND < 125	**929**	**147**	----
	14th Quarterly	4th Quarter	11/9/2005	**5,040**	**79.3**	**72.1**	**202**	**219**	**23.3**	**1.2**	ND < 0.5	ND < 50	**1,020**	**127**	----
	15th Quarterly	1st Quarter	3/8/2006	**5,150**	**45.4**	**98.5**	**607**	**229**	**4.0**	ND < 1.0	ND < 1.0	ND < 100	**610**	**147**	----
MW-5	Well Installation	2nd Quarter	5/1/2002	**63,800**	ND < 150	**1,270**	**19,500**	**1,720**	ND < 1,000	ND < 250	ND < 250	ND < 50,000	**4,420**	**396**	----
	1st Quarterly	3rd Quarter	8/3/2002	**30,500**	ND < 15	**486**	**17,700**	**1,760**	ND < 25	ND < 15	ND < 15	ND < 5,000	**9,630**	ND < 50	----
	2nd Quarterly	4th Quarter	11/4/2002	**81,000**	**789**	ND < 300	**24,600**	**3,710**	**2,330**	**1,570**	ND < 500	ND < 100,000	**3,870**	ND < 50	ND < 500
	3rd Quarterly	1st Quarter	2/5/2003	**78,000**	**51**	**1,600**	**16,800**	**1,600**	ND < 50	ND < 50	ND < 50	ND < 500	ND < 50	ND < 500	ND < 50
	4th Quarterly	2nd Quarter	5/12/2003	**43,000**	ND < 50	**790**	**13,400**	**1,200**	ND < 50	ND < 50	ND < 50	ND < 500	**4,100**	ND < 500	ND < 50
	5th Quarterly	3rd Quarter	8/2/2003	**17,000**	ND < 50	**120**	**3,890**	**400**	ND < 50	ND < 50	ND < 50	ND < 500	ND < 50	ND < 500	ND < 50
	6th Quarterly	4th Quarter	11/8/2003	**43,000**	ND < 50	**760**	**16,100**	**1,500**	ND < 50	ND < 50	ND < 50	ND < 500	**4,100**	ND < 500	ND < 50
	7th Quarterly	1st Quarter	2/5/2004	**39,000**	**50**	**1,400**	**22,500**	**2,000**	ND < 50	ND < 50	ND < 50	ND < 500	ND < 50	ND < 500	ND < 50
	8th Quarterly	2nd Quarter	5/4/2004	**54,000**	ND < 50	**720**	**12,800**	**1,300**	ND < 50	ND < 50	ND < 50	ND < 500	**19,000**	ND < 500	ND < 50
	9th Quarterly	3rd Quarter	8/9/2004	**37,000**	ND < 50	**320**	**10,000**	**1,100**	ND < 50	ND < 50	ND < 50	ND < 500	**8,500**	ND < 500	ND < 50
	10th Quarterly	4th Quarter	11/5/2004	**9,800**	ND < 50	**68**	**1,940**	**170**	ND < 50	ND < 50	ND < 50	ND < 500	**890**	ND < 500	ND < 50
	11th Quarterly	1st Quarter	2/6/2005	**13,800**	**5.5**	**174**	**4,090**	**407**	ND < 10	ND < 5.0	ND < 5.0	ND < 500	**1,650**	**151**	----
	12th Quarterly	2nd Quarter	5/13/2005	**12,600**	ND < 10	**197**	**4,050**	**393**	ND < 20	ND < 10	ND < 10	ND < 1,000	**1,190**	**113**	----
	13th Quarterly	3rd Quarter	8/9/2005	**12,000**	ND < 10.0	**45.8**	**3,160**	**322**	ND < 20.0	ND < 10.0	ND < 10.0	ND < 1,000	**1,350**	**177**	----
	14th Quarterly	4th Quarter	11/9/2005	**4,590**	**2.7**	**29.1**	**1,440**	**141**	ND < 5.0	ND < 2.5	ND < 2.5	ND < 250	**825**	**179**	----
	15th Quarterly	1st Quarter	3/8/2006	**11,700**	**3.8**	**107**	**3,800**	**330**	ND < 2.0	ND < 1.0	ND < 1.0	ND < 100	**987**	**165**	----
MW-6	Well Installation	2nd Quarter	5/1/2002	**3,750**	**845**	**576**	**1,070**	**155**	**980**	**791**	ND < 0.5	ND < 100	ND < 50	ND < 50	----
	1st Quarterly	3rd Quarter	8/3/2002	**11,800**	**508**	**62**	**8,630**	**1,640**	**750**	**300**	ND < 15	ND < 5,000	**1,900**	ND < 50	----
	2nd Quarterly	4th Quarter	11/4/2002	**9,480**	**535**	**35.2**	**3,420**	**743**	**1,330**	**558**	ND < 0.5	ND < 50	**190**	ND < 50	ND < 0.5
	3rd Quarterly	1st Quarter	2/5/2003	**4,500**	**20**	ND < 5.0	**583**	**190**	ND < 5.0	**17**	ND < 5.0	ND < 50	**1,200**	ND < 500	ND < 5.0
	4th Quarterly	2nd Quarter	5/12/2003	**2,200**	**22**	**1.2**	**244**	**160**	**68**	**14**	ND < 0.5	**60**	**280**	ND < 500	**0.9**
	5th Quarterly	3rd Quarter	8/2/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**1**	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	**2,500**	ND < 0.5
	6th Quarterly	4th Quarter	11/8/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**1.3**	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	7th Quarterly	1st Quarter	2/5/2004	**110**	**4.2**	ND < 0.5	ND < 1.0	ND < 0.5	**16**	**5.6**	ND < 0.5	ND < 5.0	ND < 50	ND < 500	ND < 0.5
	8th Quarterly	2nd Quarter	5/4/2004	**2,200**	**25**	**2.4**	**200.5**	**4.0**	**69**	**17**	ND < 0.5	**27**	**590**	ND < 500	ND < 0.5
	9th Quarterly	3rd Quarter	8/9/2004	**880**	**14**	ND < 5.0	ND < 15	ND < 5.0	**220**	**16**	ND < 5.0	**280**	**470**	ND < 500	ND < 5.0
	10th Quarterly	4th Quarter	11/5/2004	**110**	**3.6**	ND < 0.5	ND < 1.5	ND < 0.5	**16**	**3.2**	ND < 0.5	ND < 5.0	**1,000**	ND < 500	ND < 0.5
	11th Quarterly	1st Quarter	2/6/2005	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**3.6**	**1.0**	ND < 0.5	ND < 50	ND < 50	**86**	----
	12th Quarterly	2nd Quarter	5/13/2005	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**2.1**	**0.8**	ND < 0.5	ND < 50	ND < 50	**71**	----
	13th Quarterly	3rd Quarter	8/9/2005	ND < 50.0	**0.8**	ND < 0.5	ND < 1.0	ND < 0.5	**8.2**	**3.2**	ND < 0.5	ND < 50.0	ND < 50	**87**	----
	14th Quarterly	4th Quarter	11/9/2005	**167**	**2.2**	ND < 0.5	ND < 1.0	ND < 0.5	**14.5**	**5.7**	ND < 0.5	ND < 50.0	**83**	**255**	----
	15th Quarterly	1st Quarter	3/8/2006	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 50.0	ND < 50	ND < 50	----

Notes:
TPHg: Total petroleum hydrocarbons as gasoline
MTBE: Methyl tertiary butyl ether
DIPE: Diisopropyl ether
TAME: Tertiary amyl methyl ether
TPHd: Total petroleum hydrocarbons as diesel
TBA: Tertiary butanol
ETBE: Ethyl tertiary butyl ether
TPHmo: Total petroleum hydrocarbons as motor oil
ppb: parts per billion = µg/l = .001 mg/l = 0.001 ppm.
ND: Not detected. Sample was detected at or below the method detection limit as shown.
Laboratory analytical results for Dipe and EDB were removed from this table to save space.
These constiuents were never reported at or above the laboratory detection limits.

Chart 1

Hydrograph

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

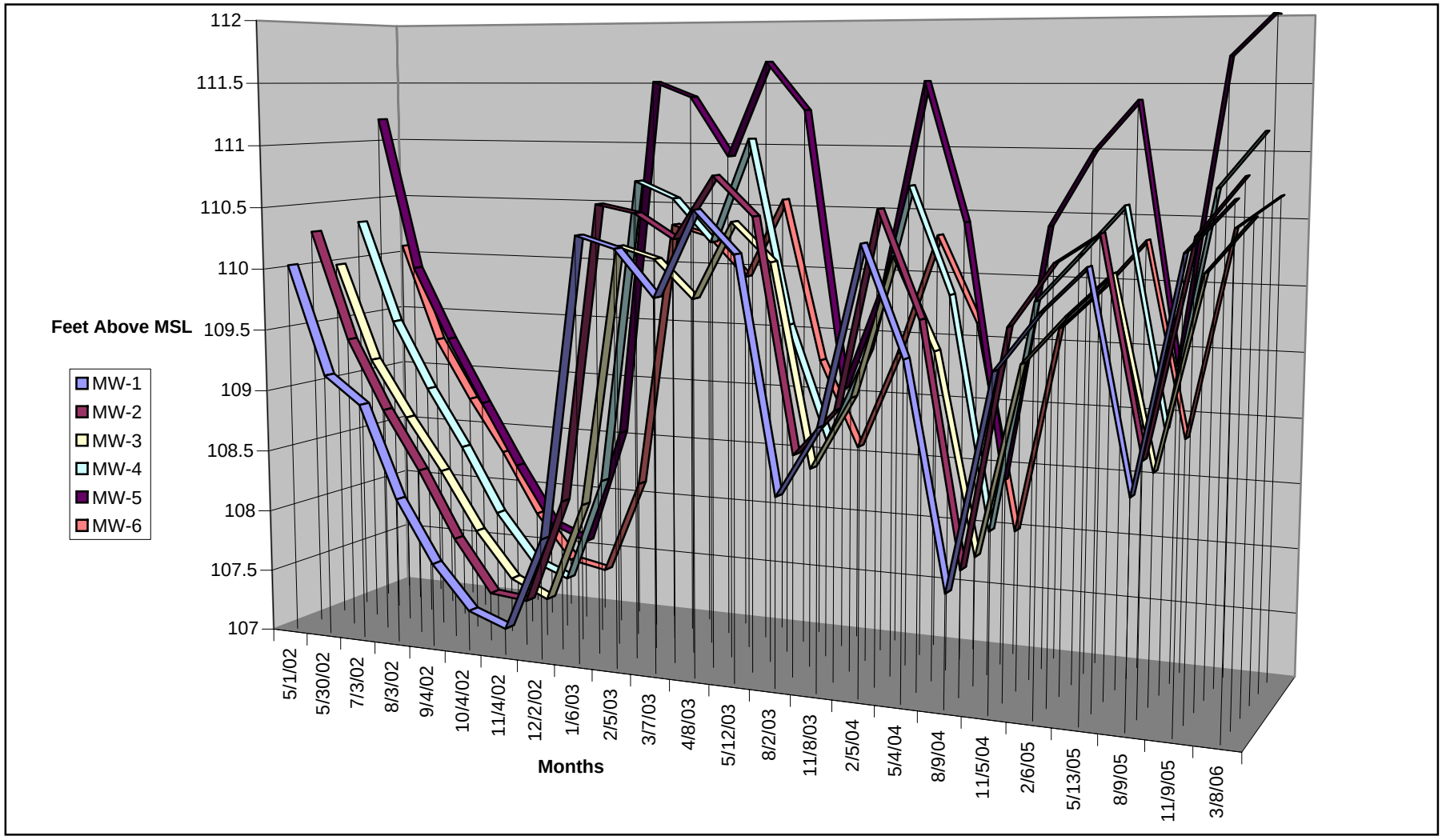


Chart 2

Hydrocarbon Concentrations vs. Time - MW-1

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

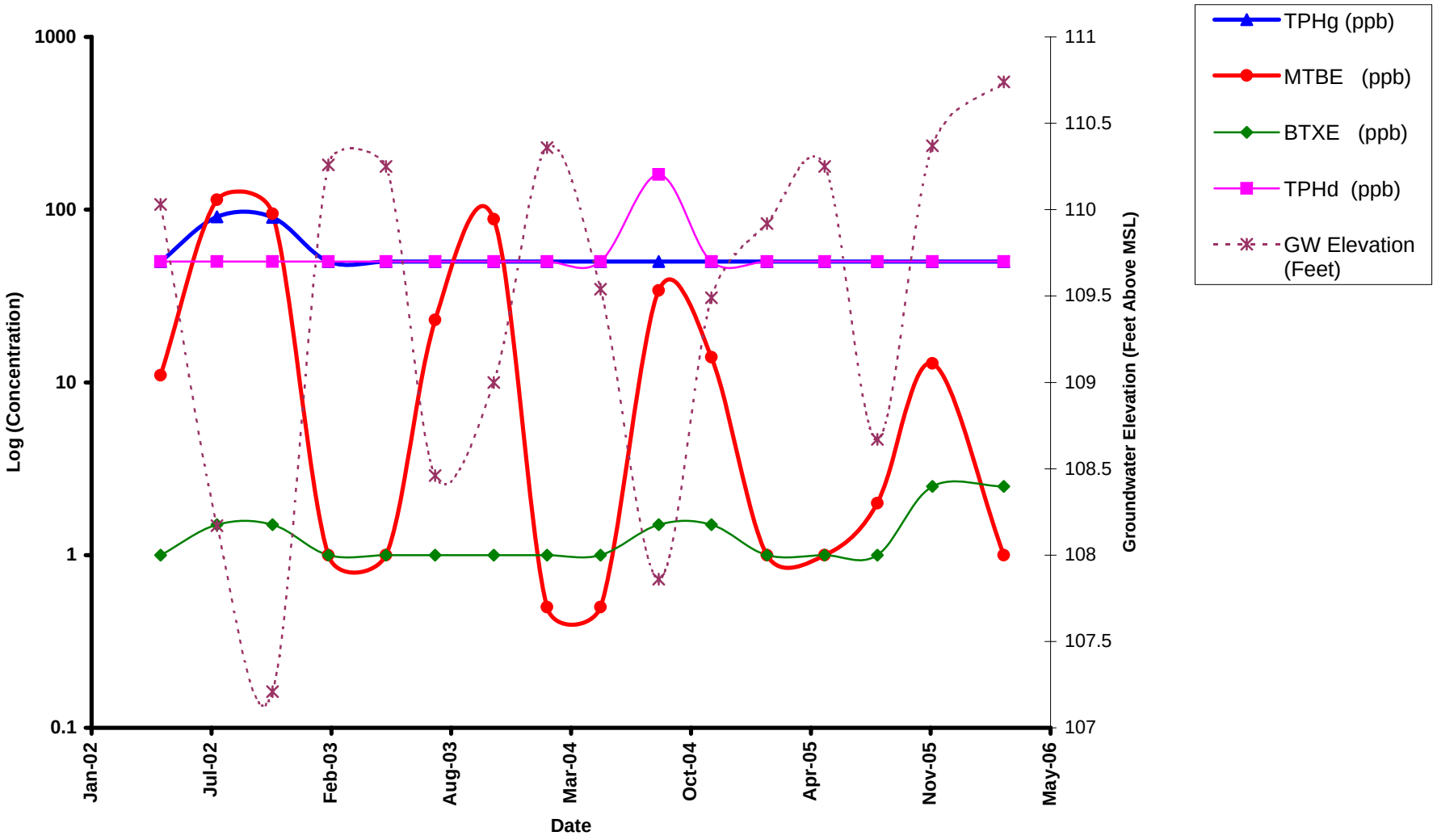


Chart 3

Hydrocarbon Concentrations vs. Time - MW-2

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

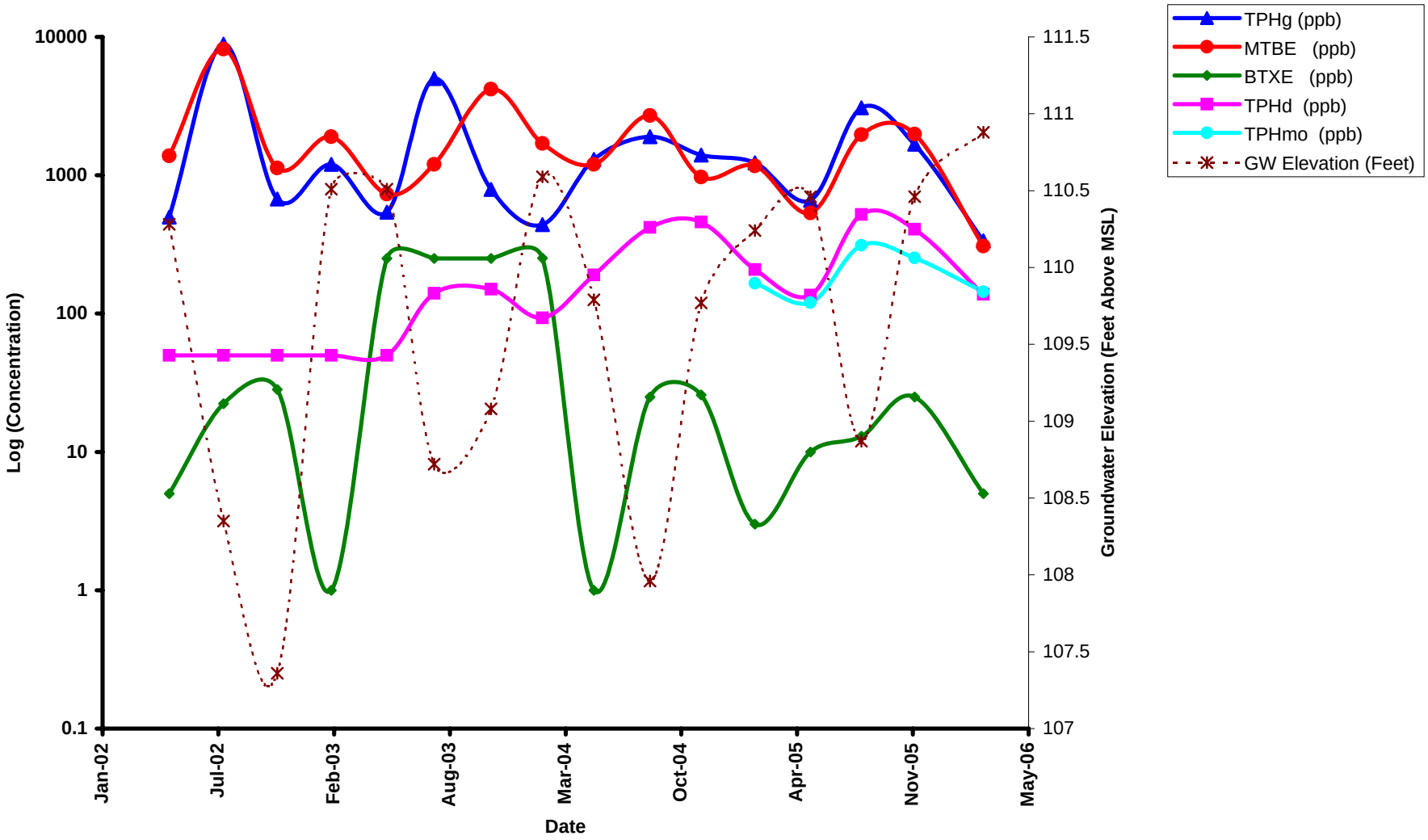


Chart 4

Hydrocarbon Concentrations vs. Time - MW-3

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

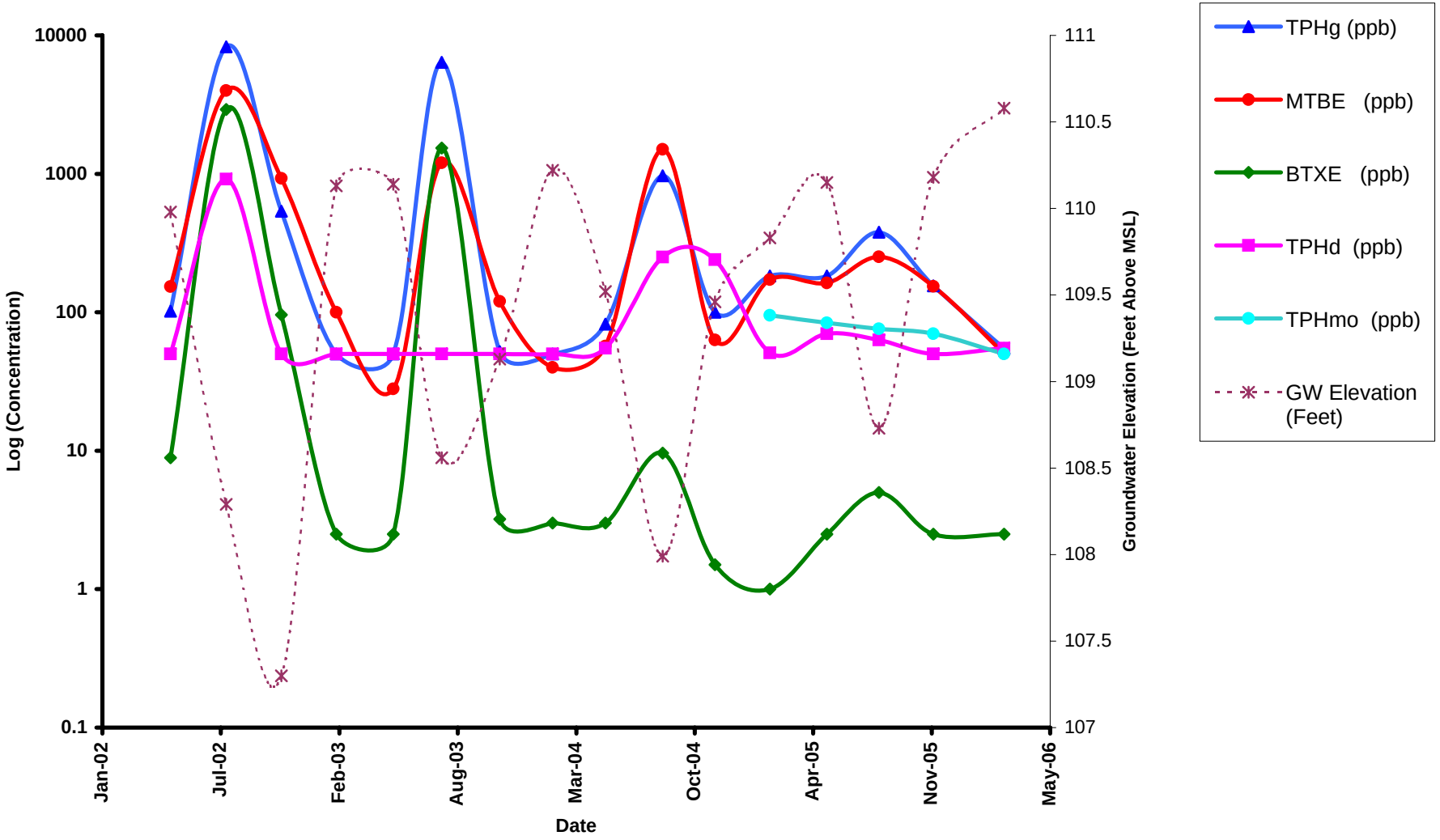


Chart 5

Hydrocarbon Concentrations vs. Time - MW-4

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

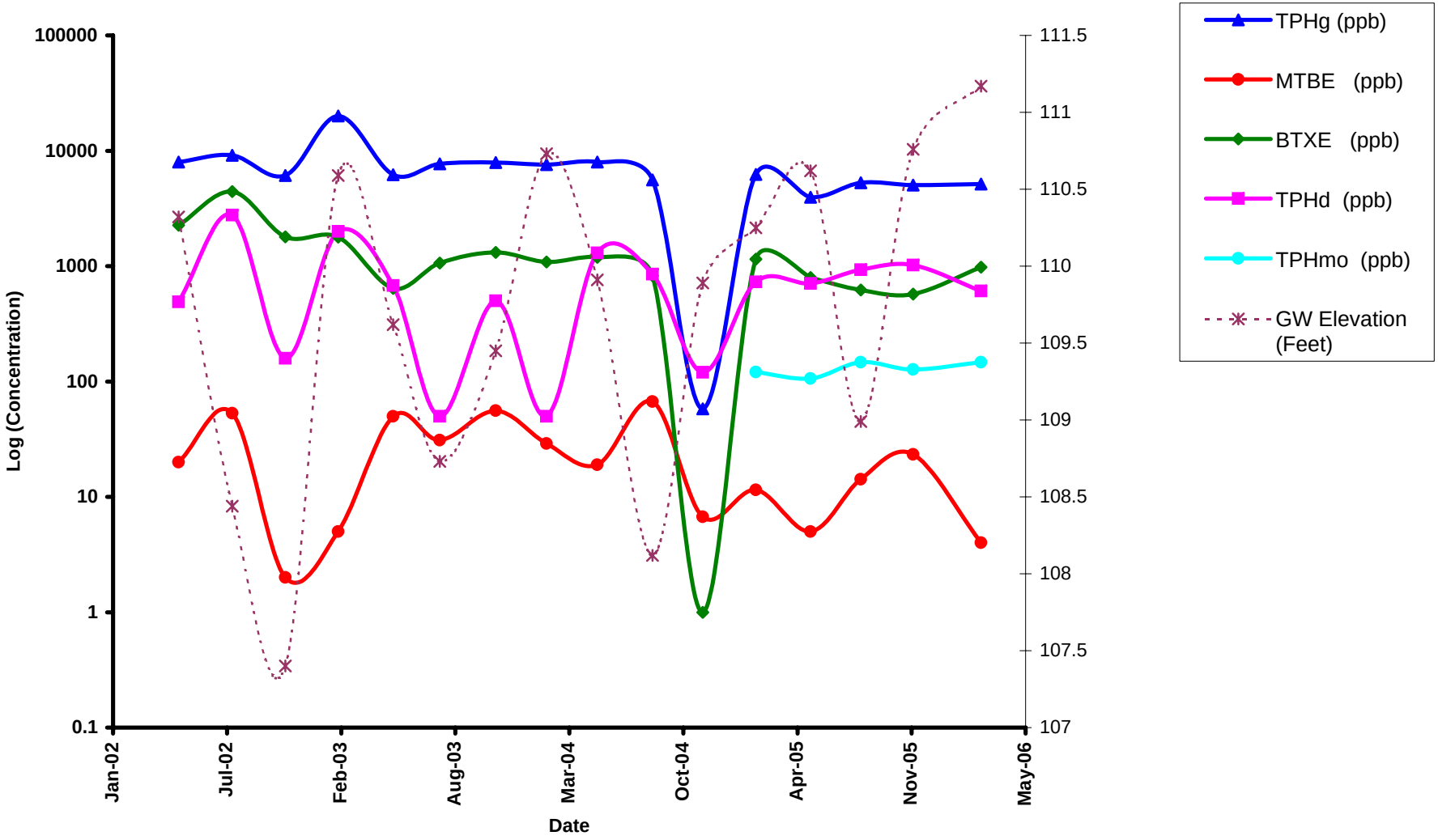


Chart 6

Hydrocarbon Concentrations vs. Time - MW-5

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

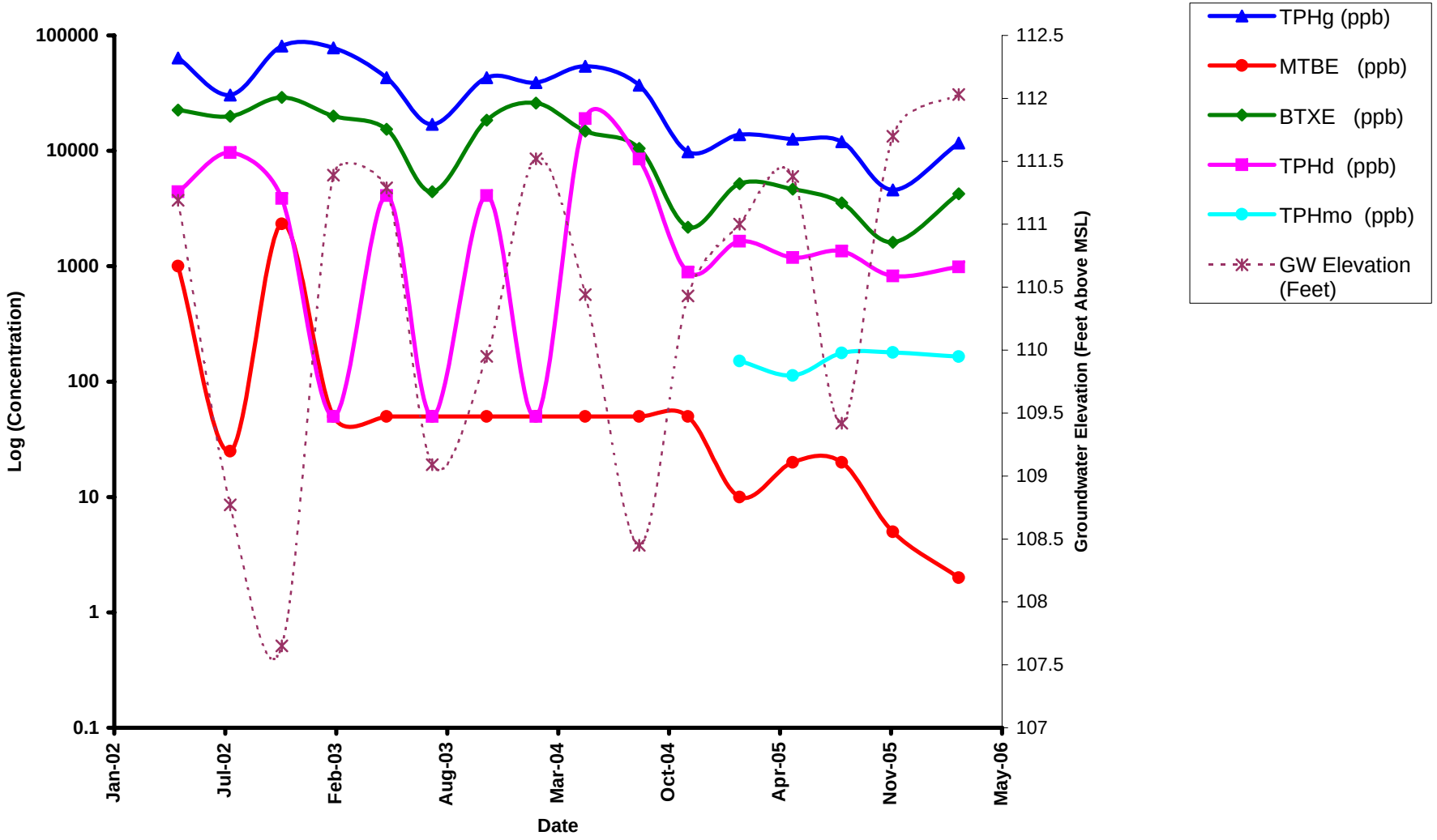
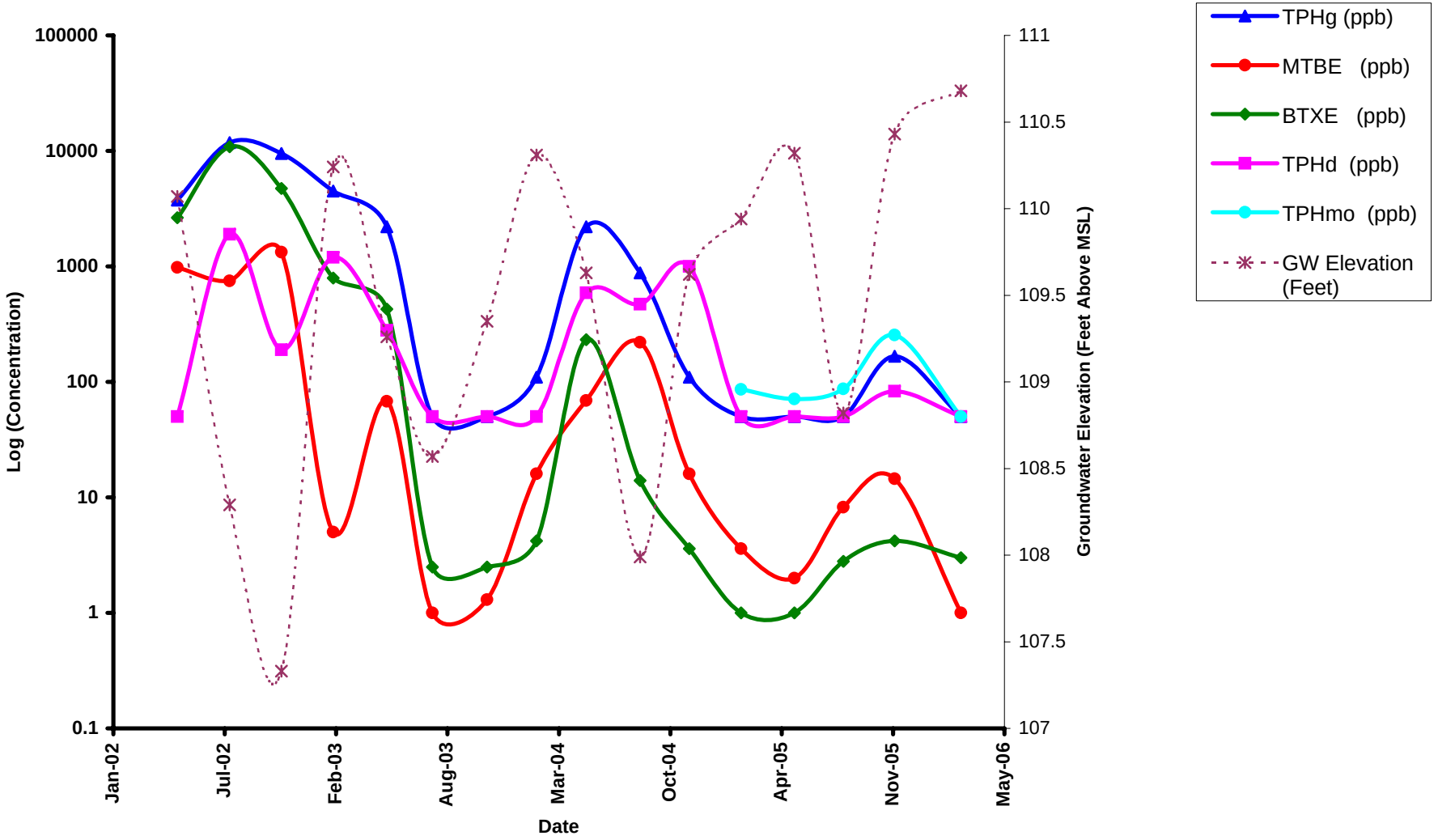


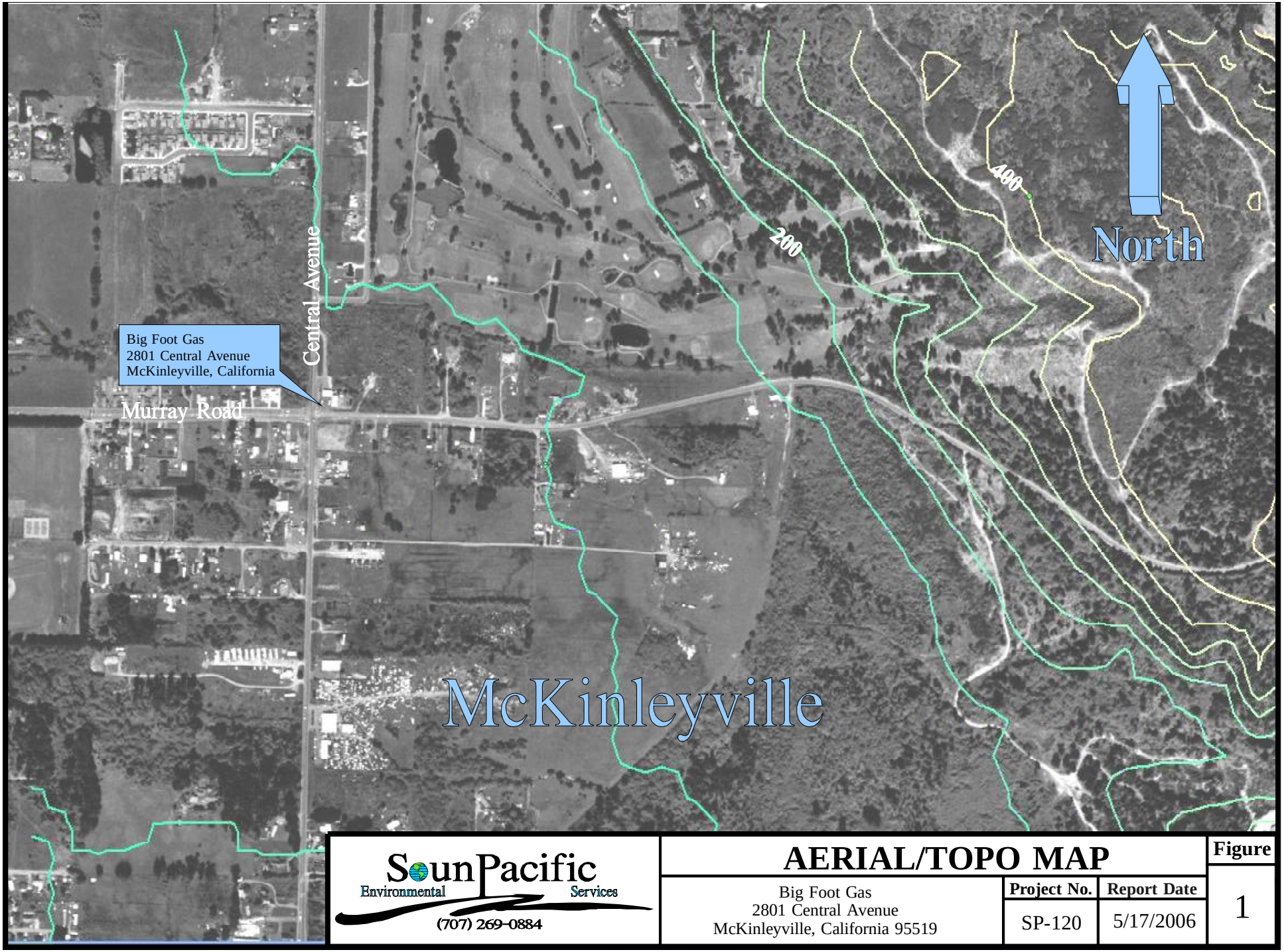
Chart 7

Hydrocarbon Concentrations vs. Time - MW-6

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519



Figures

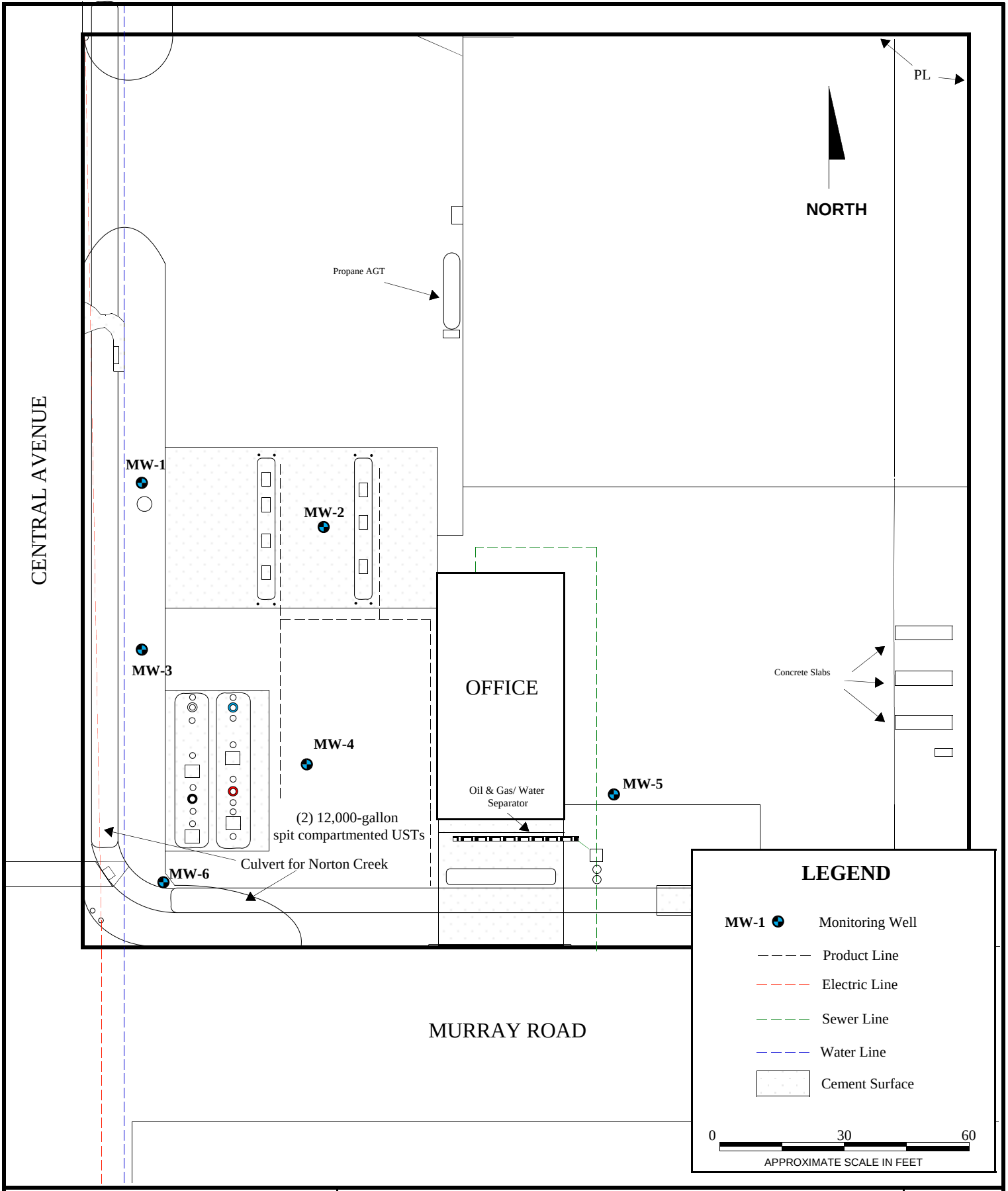


SunPacific Environmental Services
(707) 269-0884

AERIAL/TOPO MAP

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Project No.	Report Date	Figure
SP-120	5/17/2006	1

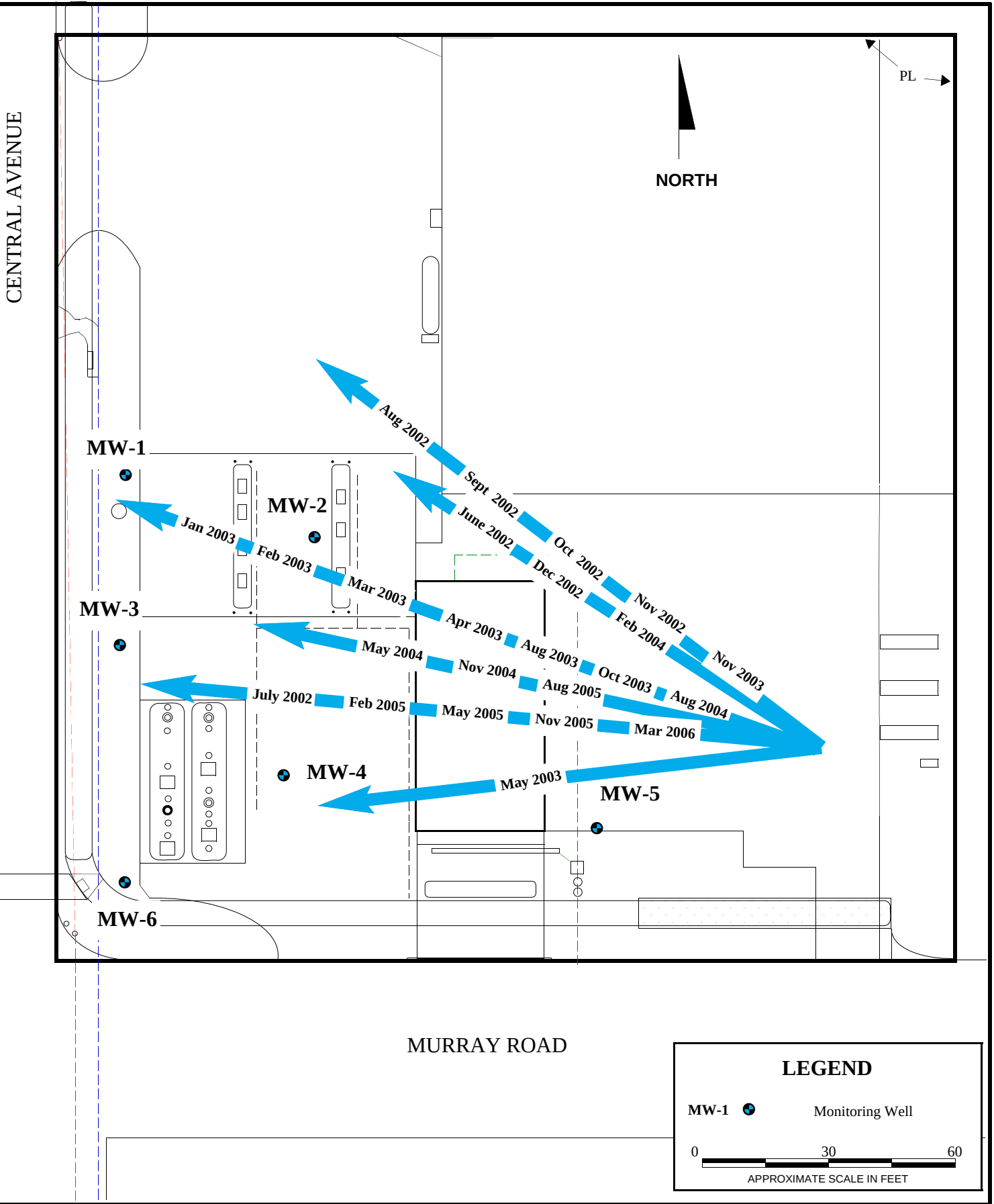


Environmental Services

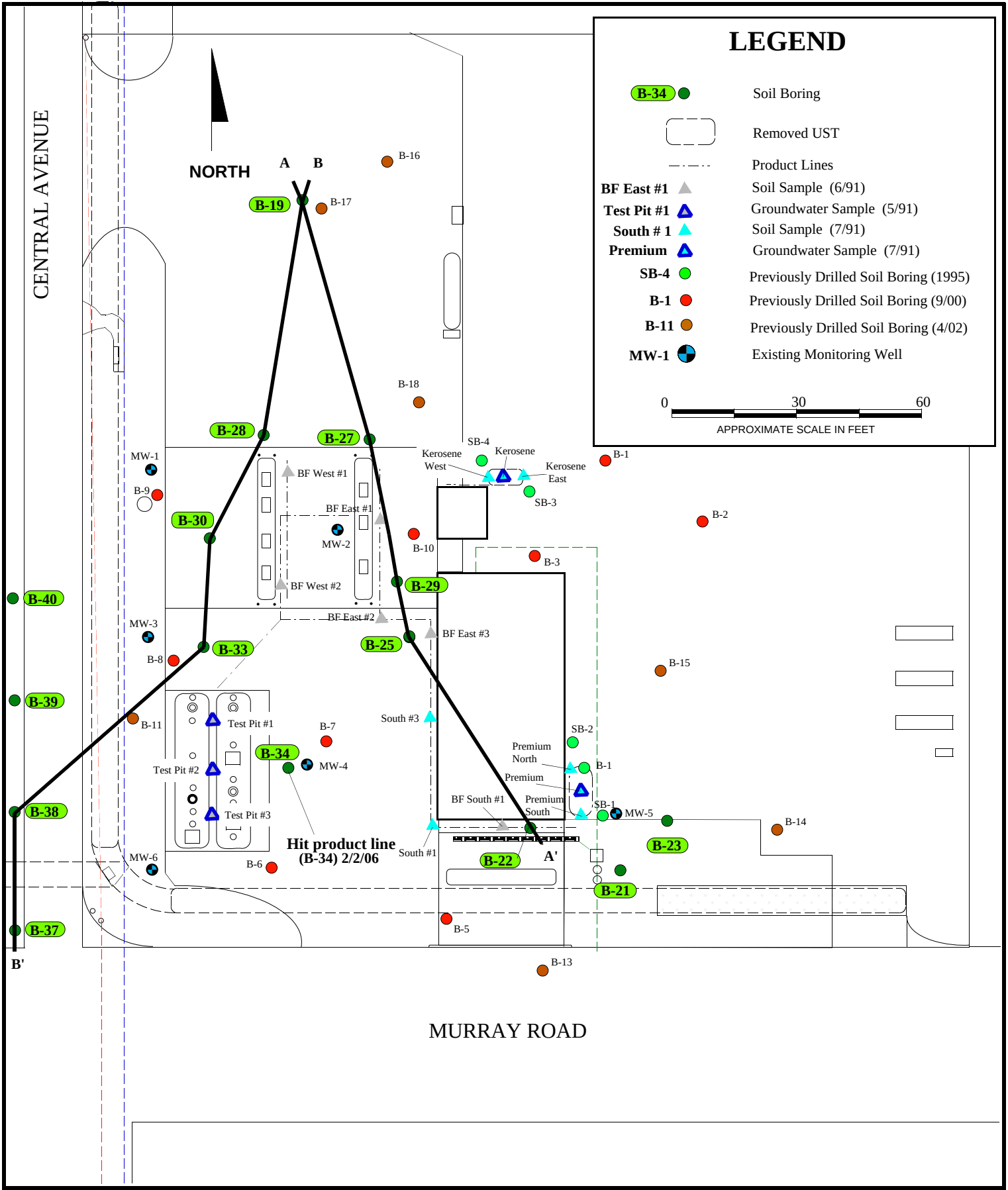
SITE PLAN

Figure 2

Bigfoot Gas 2801 Central Avenue McKinleyville, California 95519	Project No.	Report Date
	SP-120	5/17/06



Environmental Services	**SUMMARY OF GROUNDWATER FLOW DIRECTIONS**		Figure
Bigfoot Gas 2801 Central Avenue McKinleyville, California 95519	Project No. SP-120	Report Date 5/17/06	3

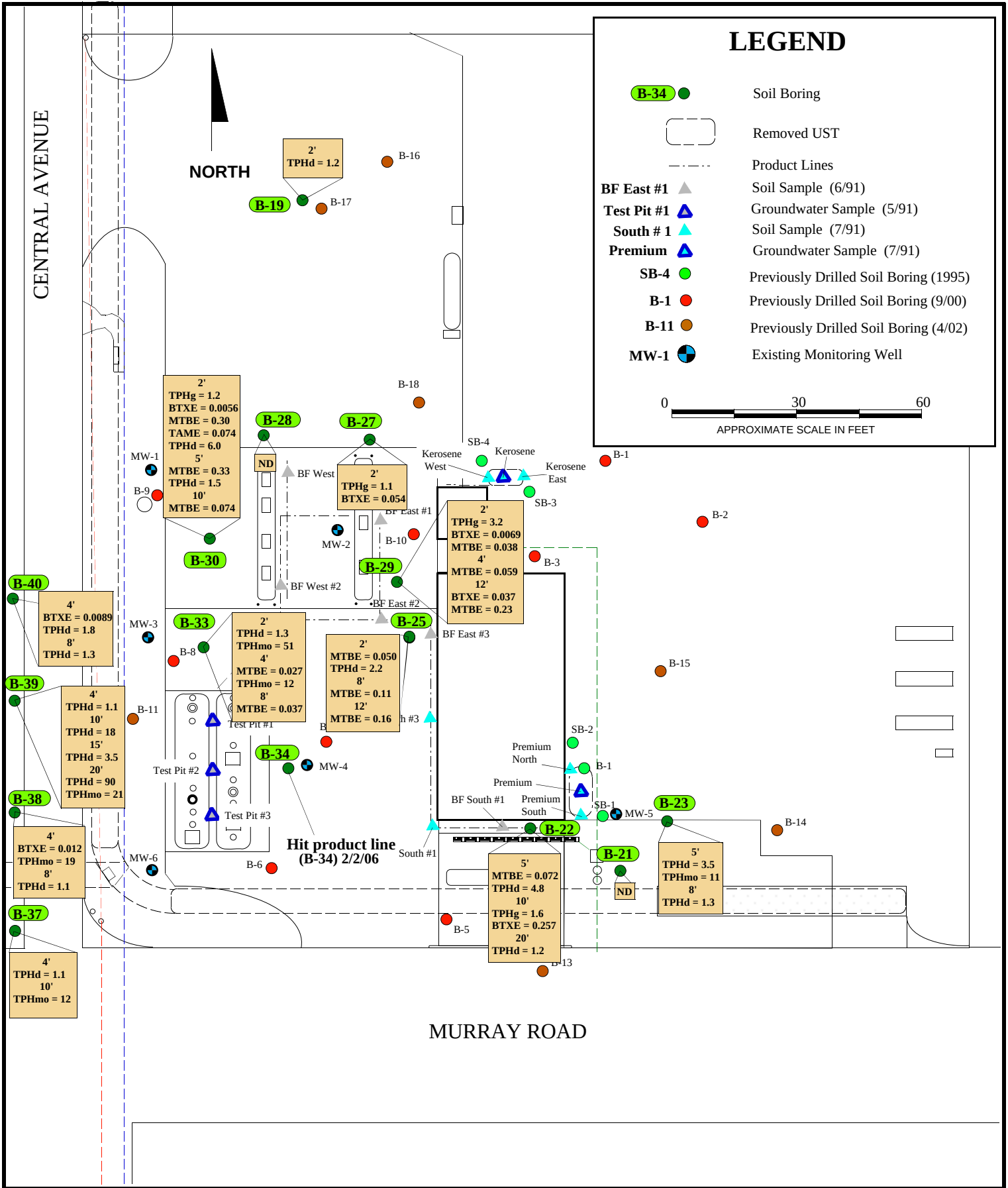


SAMPLE LOCATION MAP

Figure 4

Environmental Services

Big Foot Gas 2801 Central Avenue McKinleyville, California 95519	Project No.	Report Date
	SP-120	5/17/06

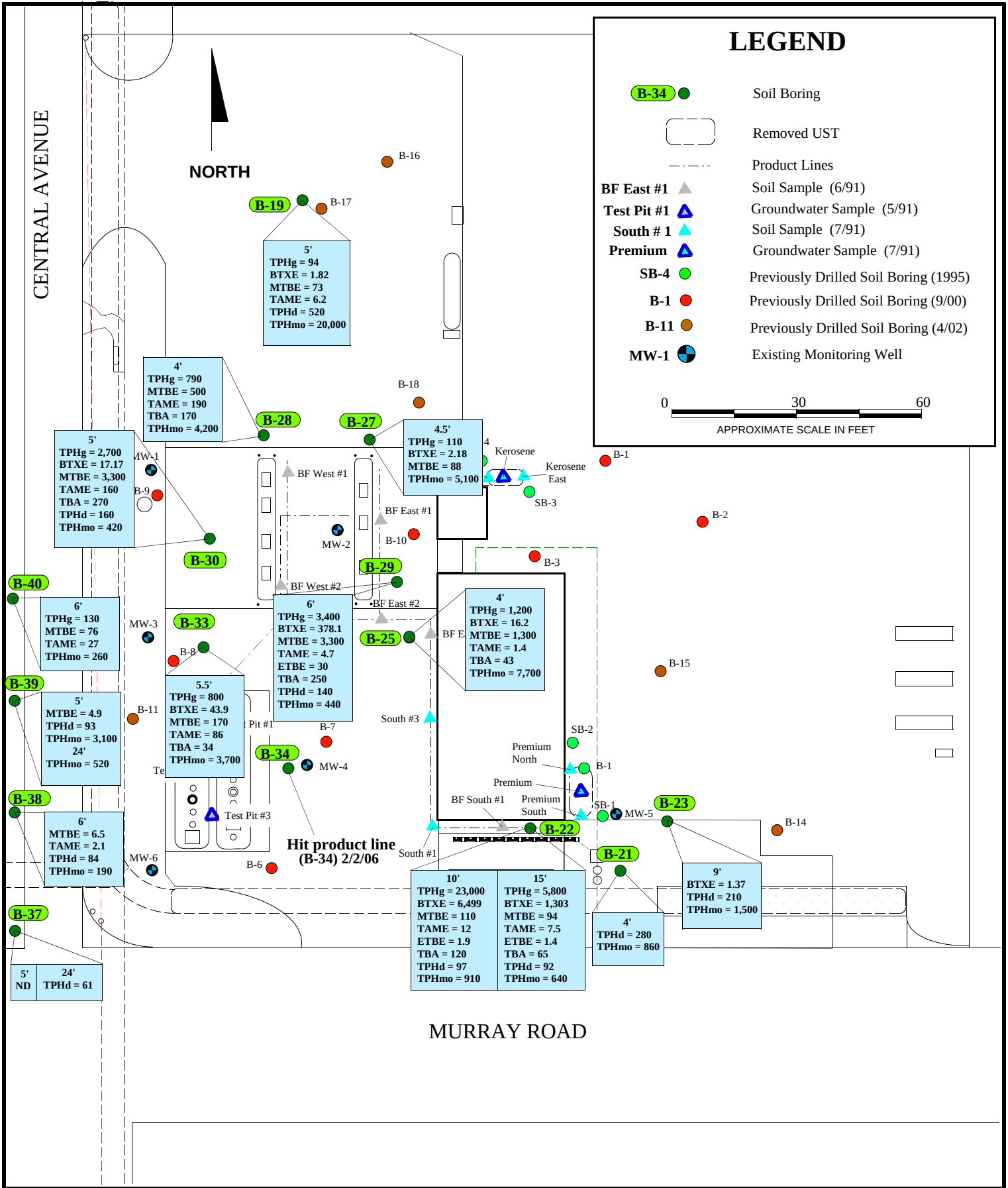


SOIL RESULTS MAP

Figure 5

Environmental Services

Bigfoot Gas 2801 Central Avenue McKinleyville, California 95519	Project No.	Report Date
	SP-120	5/17/06



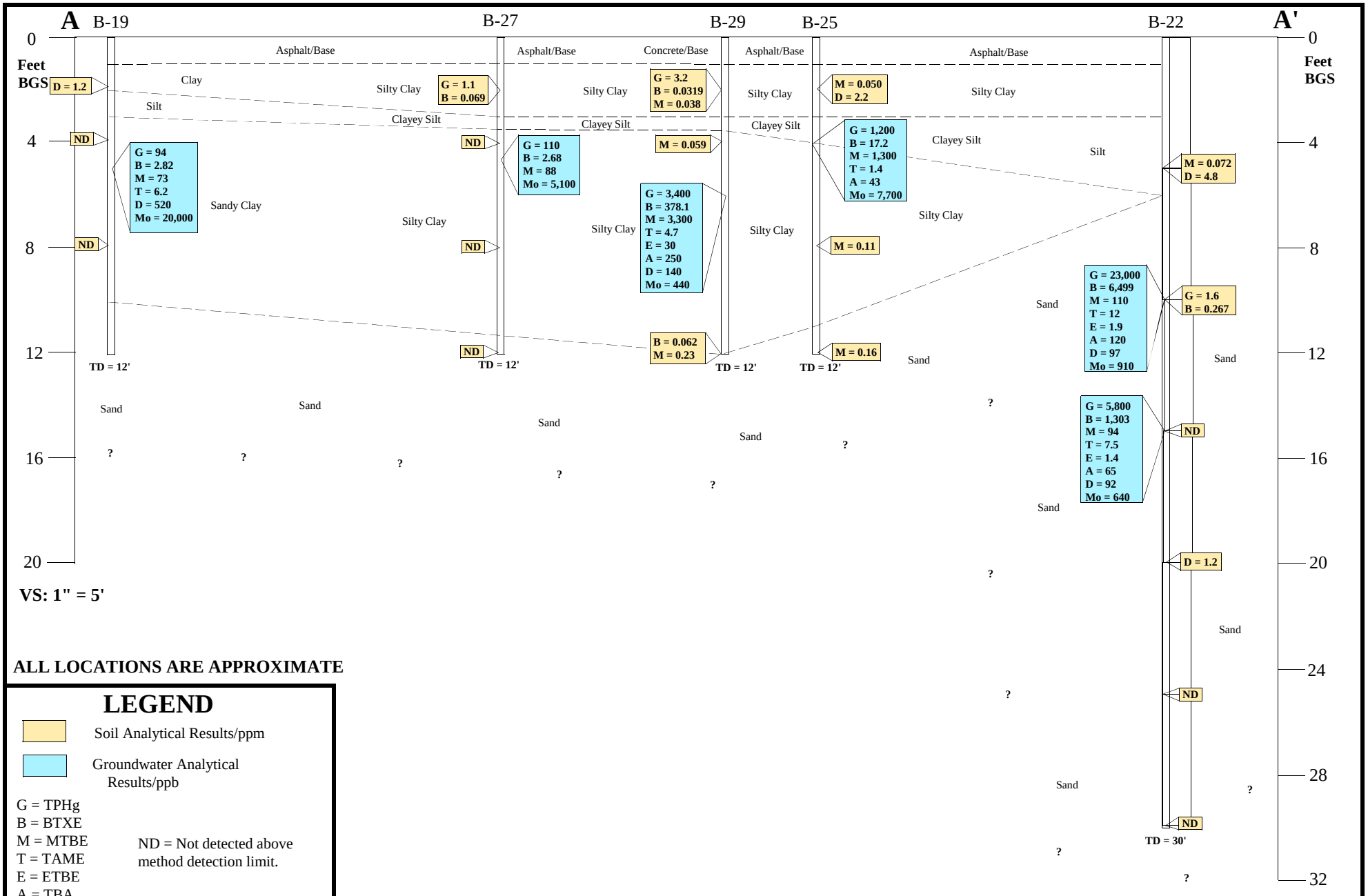
GROUNDWATER RESULTS MAP

Figure 6

Environmental Services

Bigfoot Gas
2801 Central Avenue
McKinleyville, California 95519

Project No.	Report Date
SP-120	5/17/06



VS: 1" = 5'

ALL LOCATIONS ARE APPROXIMATE

LEGEND

Soil Analytical Results/ppm

Groundwater Analytical Results/ppb

G = TPHg
B = BTXE
M = MTBE
T = TAME
E = ETBE
A = TBA
D = TPHd
Mo = TPHmo

ND = Not detected above method detection limit.

Assumed Lithologic Boundary

0 20 40

APPROXIMATE SCALE IN FEET

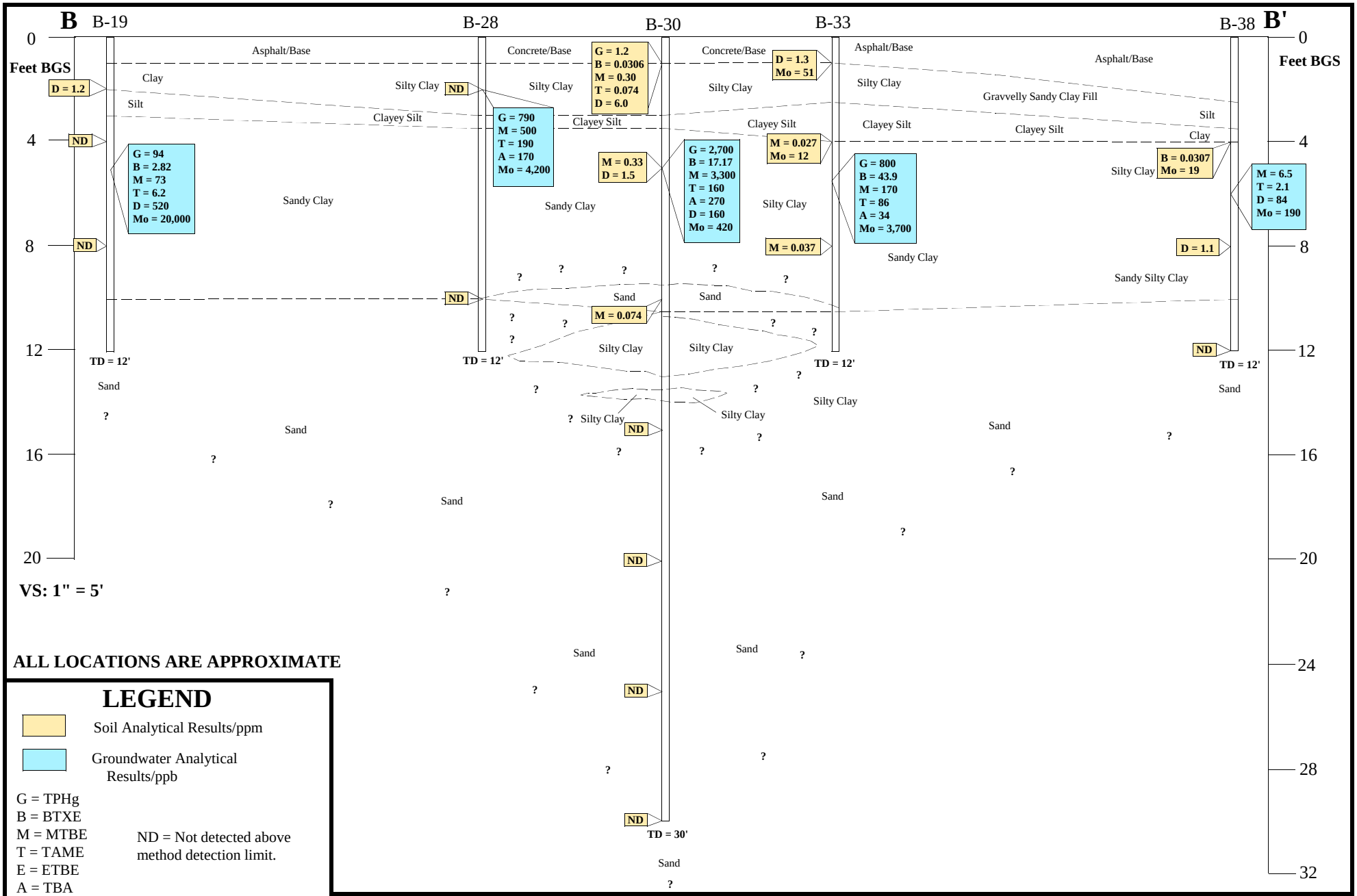
Environmental Services

LITHOLOGIC CROSS-SECTION OF A TO A'

Figure 7

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Project No.	Report Date
SP-120	5/17/06



ALL LOCATIONS ARE APPROXIMATE

LEGEND

Soil Analytical Results/ppm

Groundwater Analytical Results/ppb

G = TPHg
B = BTXE
M = MTBE
T = TAME
E = ETBE
A = TBA
D = TPHd
Mo = TPHmo

ND = Not detected above method detection limit.

Assumed Lithologic Boundary

0 20 40

APPROXIMATE SCALE IN FEET

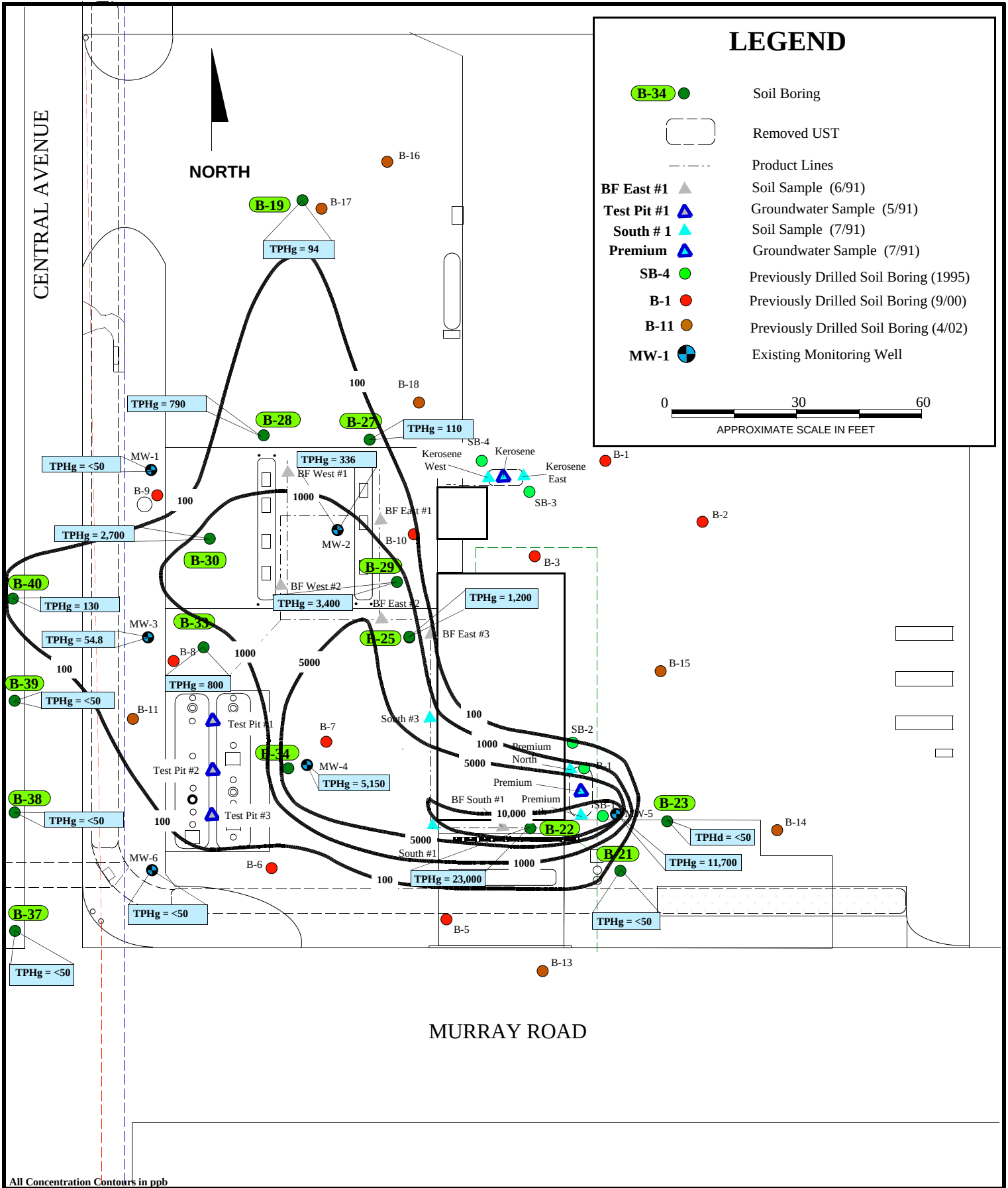
Environmental Services

LITHOLOGIC CROSS-SECTION OF B TO B'

Figure 8

Big Foot Gas
2801 Central Avenue
McKinleyville, California 95519

Project No.	Report Date
SP-120	5/17/06



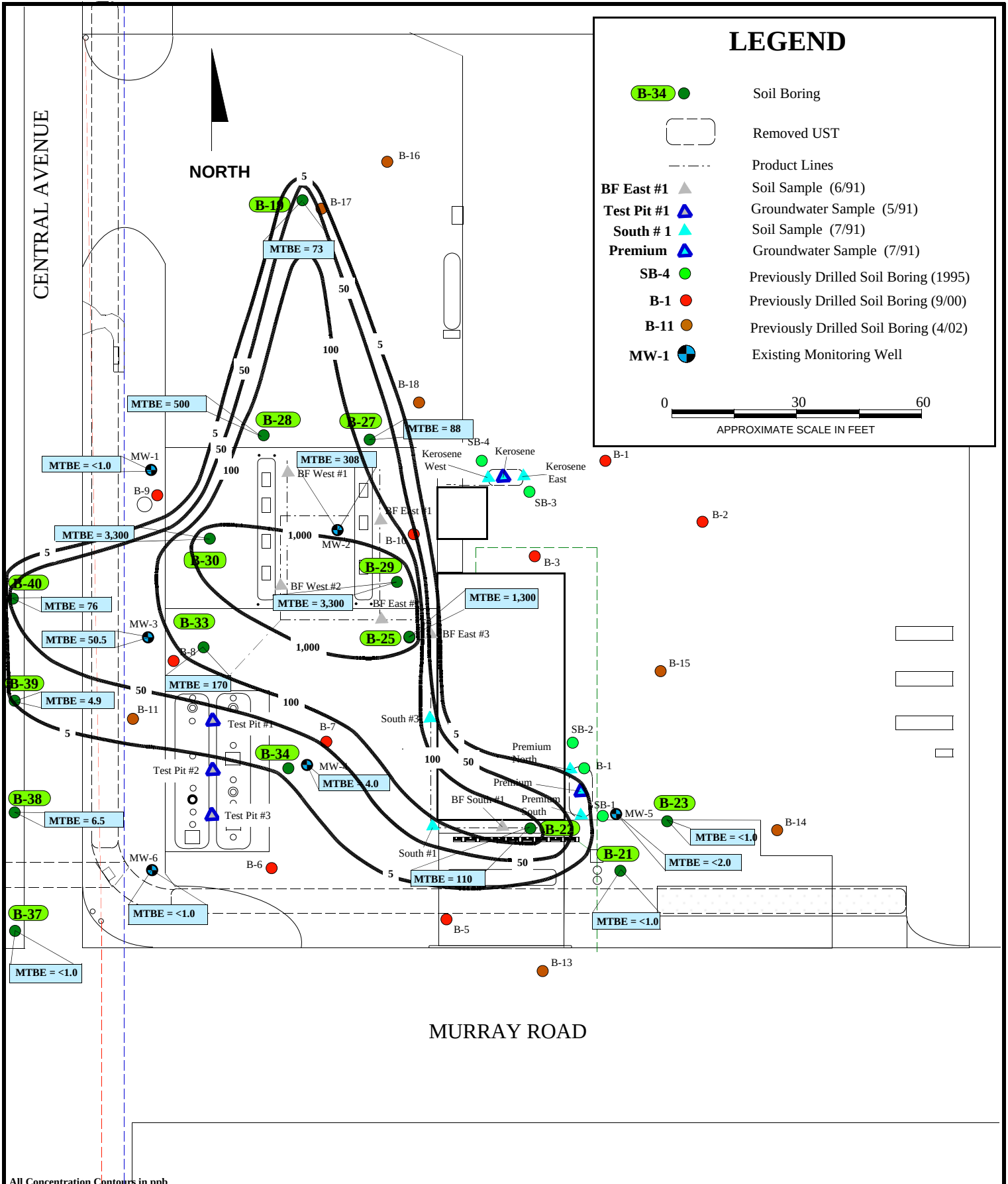
All Concentration Contours in ppb

Environmental Services

GROUNDWATER TPHg ISOCONTOURS

Figure 9

Bigfoot Gas 2801 Central Avenue McKinleyville, California 95519	Project No.	Report Date
	SP-120	5/17/06



All Concentration Contours in ppb

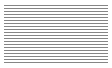
Environmental Services	**GROUNDWATER MTBE ISOCONTOURS**		Figure
	Bigfoot Gas 2801 Central Avenue McKinleyville, California 95519	Project No. SP-120	Report Date 5/17/06	10

Appendices

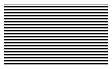
Appendix A

Legend for Soil Boring Logs

A/B or F/G — Asphalt/Base or Fill/Gravel



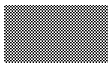
ML — Silt



CL — Clay

SM — Silty Sand

SC — Clayey Sand



SM/SC — Silty/Clayey Sand

SP — Sand

SP/SM — Silty Sand to Sand or Sandy Silt to Sand

Gradational Contact

Abrupt or Clear Contact

Stabilized Water Reading

Initial Water Reading

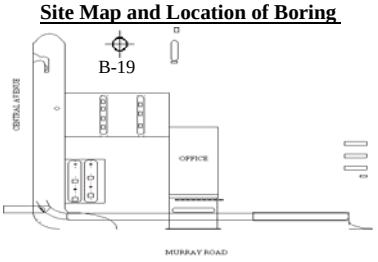
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-19
Job#: SP-120	**Sheet**
Date: 2/2/2006	1 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmental
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	4.51 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Jeff Gaines
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	12 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-1' Asphalt/Base**
			1					CL	**1-2' Clay,** brown, no odor.
3.5 ppm			2	*				ML	**2-3' Silt.** light brown, grey mottles, moist, stiff, no odor
			3					CL	**3-10' Sandy Clay.** green with orange mottles, roots @ 8', no odor.
6.3 ppm									
		▽	4	*					
			5						
			6						
			7						
1.3 ppm			8	*					
			9						
			10					SP	**10-12' Sand.** Green, fine grained, wet, roots, no odor.
			11						
0 ppm			12						**Bottom of hole at 12'**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Initial groundwater level: 4.51 feet. Turbidity: Low. Color: Light brown.

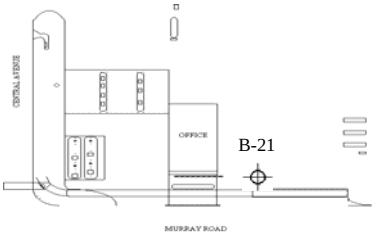
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-21
Job#: SP-120	**Sheet**
Date: 2/2/2006	2 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmenta
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	4.16 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Jeff Gaines
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	12 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-3' Asphalt/Base**
			1						
			2						
0.6 ppm			3					ML	**3-4' Silt,** orange with gray mottles, no odor.
			4	*				–	**4-8' No Recovery.** Unknown
			5						
			6						
			7						
			8					ML	**8-10' Clayey Silt,** orange with gray mottles, no odor.
			9						
0 ppm			10					SP	**10-12' Sand** green turning to brown at 11.5', roots, no odor.
			11						
			12						**Bottom of hole at 12'**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Initial groundwater level: 4.16 feet. Turbidity: Moderate. Color: Light Brown

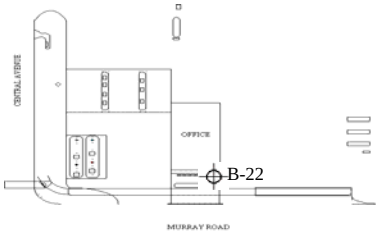
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-22
Job#: SP-120	**Sheet**
Date: 2/2/2006	3 of 18

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Fisch Environmenta	**Project Manager:**	Andy Malone
Rig Operator:	Dave	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jack S.
Drill Rig Type:	Direct-Push	**Sampling Method:**	
Approximate Initial Water Level	3.62 feet bgs	**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level	feet bgs	**Boring Diameter:**	2.25 inch
		Boring Depth:	30 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL		FIELD NOTES
			0					AB		**0-1' Asphalt/Base**
			1					–	Unknown	**1-3' No Recovery.**
			2							
			3					ML		**3-6' Silt** greenish-brown, very moist, hydrocarbon odor.
			4							
			5	*						
			6					SP		**6-30' Sand** green, fine grained, wet, hydrocarbon odor at 6', turns orange-brown at 12', no odor at 12'.
			7							
			8							
			9							
			10	*						
			11							
			12							
			13							
			14							
			15	*						
			16							
			17							
			18							
			19							
			20	*						

Comments: Initial groundwater level: 3.62 feet. No groundwater sample at 5 feet due to hole collapse. Groundwater sample at 10 feet: Turbidity: High. Color: Green. Groundwater sample at 15 feet: Turbidity: Moderate. Color: Light brown. Sand forced up by lithostatic pressure.

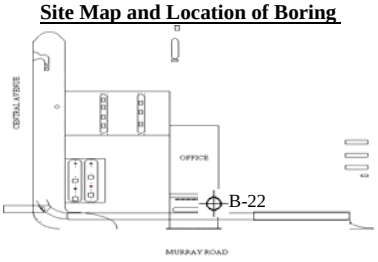
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-22
Job#: SP-120	**Sheet**
Date: 2/2/2006	4 of 18

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Fisch Environmenta	**Project Manager:**	Andy Malone
Rig Operator:	Dave	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jack S.
Drill Rig Type:	Direct-Push	**Sampling Method:**	
Approximate Initial Water Level	3.62 feet bgs	**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level	feet bgs	**Boring Diameter:**	2.25 inch
		Boring Depth:	30 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			20	*				SP	**6-30' Sand** green, fine grained, wet, hydrocarbon odor at 6', turns orange-brown at 12', no odor at 12'.
			21						
			22						
			23						
			24						
			25	*					
			26						
			27						
			28						
			29						
			30	*					**Bottom of hole at 30'**
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Initial groundwater level: 3.62 feet. No groundwater sample at 5 feet due to hole collapse. Groundwater sample at 10 feet: Turbidity: High. Color: Green. Groundwater sample at 15 feet: Turbidity: Moderate. Color: Light brown.

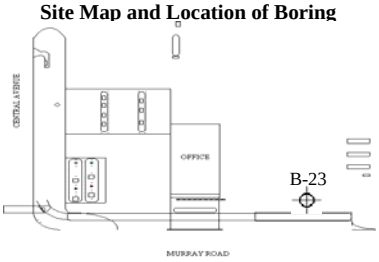
Boring Log

SunPacific Environmental Services (707) 269-0884

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

Client	Boring No.
BO&T	B-23
Job#: SP-120	**Sheet**
Date: 2/2/2006	5 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmental
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	7.32 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Jeff Gaines
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	8 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					F/G	**0-1' Fill/Gravel**
			1					ML	**1-1.5' Topsoil** silt, dark brown.
			2					–	**1.5-5' No Recovery**
			3					–	Unknown
			4					–	
21.7 ppm			5	*					**5-8' Silty Clay** green-brown, some sand at 8'.
			6						
			7						
58.0 ppm			8	*					**Bottom of hole at 8'**
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Initial groundwater level: 7.32 Turbidity: Moderate. Color: Dark brown.

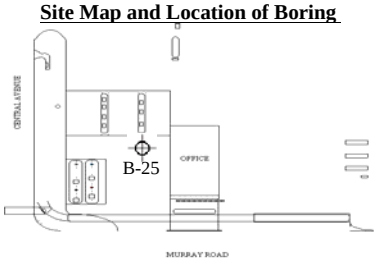
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-25
Job#: SP-120	**Sheet**
Date: 2/2/2006	6 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmenta
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	4.0 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Jeff Gaines
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	12 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL		FIELD NOTES
			0					AB		**0-1' Asphalt/Base**
			1					CL		**1-3' Silty Clay,** green-brown, stiff, hydrocarbon odor.
			2	*						
			3					ML		**3-3.5' Clayey Silt** dark brown, hydrocarbon odor.
		▽	4					–	Unknown	**3.5-8' No Recovery**
			5							
			6							
			7							
			8	*				CL		**8-11' Silty Clay,** green-brown, no odor.
			9							
			10							
			11					SP		**11-12' Sand,** green, fine grained, roots, no odor.
			12	*						**Bottom of hole at 12'**
			13							
			14							
			15							
			16							
			17							
			18							
			19							
			20							

Comments: Initial groundwater level: 4.0 Turbidity: Moderate to High. Color: Light green.

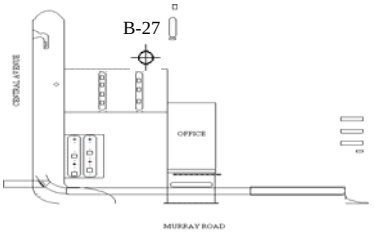
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

Client	Boring No.
BO&T	B-27
Job#: SP-120	**Sheet**
Date: 2/3/2006	7 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmental
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	4.45 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Jeff Gaines
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	12 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-1' Asphalt/Base**
3.3 ppm			1					CL	**1-3' Silty Clay,** brownish green, stiff, moist, mottling, faint hydrocarbon odor.
			2	*					
1.8 ppm			3					ML	**3-3.5' Clayey Silt,** dark brown, moist, many roots, faint odor.
								CL	**3.5-4.0' Silty Clay,** brownish green, stiff, moist, mottling, faint hydrocarbon odor.
		▽	4						
									4-8' No Recovery
			5						
								–	Unknown
			6						
			7						
			8	*					
1.6 ppm									**8-11.5' Silty Clay,** brownish green, stiff, moist, mottling from 10' to 11.5', faint hydrocarbon odor.
			9					CL	
			10						
			11						
3 ppm								SP	**11.5-12' Sand,** green, fine grained, wet, roots, no odor.
			12	*					**Bottom of hole at 12'**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Initial groundwater level: 4.45 Turbidity: Moderate. Color: Dark Brown.

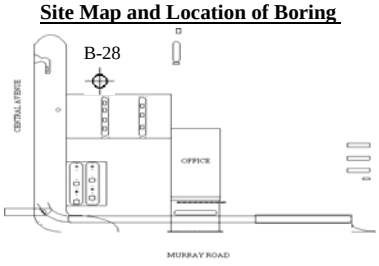
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-28
Job#: SP-120	**Sheet**
Date: 2/2/2006	8 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmental
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	4.05 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Jeff Gaines
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	12 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-1' Asphalt/Base**
1 ppm			1					CL	**1-3' Silty Clay,** brown green, stiff, moist, faint hydrocarbon odor.
			2	*					
3.5 ppm			3					ML	**3-3.5' Clayey Silt,** dark brown, moist, many roots, faint hydrocarbon odor.
1 ppm		▽	4					–	**3.5-8' No Recovery**
			5					Unknown	
			6						
			7						
			8					CL	**8-10' Sandy Silty Clay,** brown green, no odor.
			9						
			10	*				SP	**10-12' Sand,** green turning light brown at 12', fine grained, well sorted, moist, no odor.
			11						
			12						**Bottom of hole at 12'**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Initial groundwater level: 4.05 Turbidity: High. Color: Dark brown.

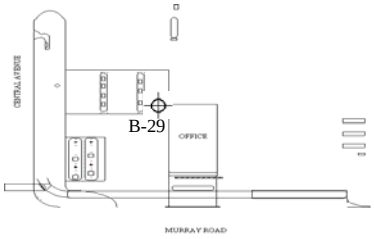
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-29
Job#: SP-120	**Sheet**
Date: 2/2/2006	9 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmental
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	6.1 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Jeff Gaines
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	12 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL		FIELD NOTES
			0					AB		**0-1' Concrete/Base**
			1					CL		**1-3' Silty Clay**, green and brown, moist, stiff, faint odor.
12 ppm										
			2	*						
19 ppm										
			3					ML		**3-4' Clayey Silt**, dark brown, moist, roots-many, strong odor.
								CL		**3.5-4' Silty Clay**, green/brown , moist, strong HC odor.
			4	*				–	unknown	**4-8' No Recovery**
			5							
		▽	6							
			7							
			8	*				CL		**8-12' Silty Clay**, green/brown, very moist to wet, thin sand lenses at 10.5, 11, 11.5 feet, no odor.
			9							
39.1 ppm			10							
			11							
			12	*						**Bottom of Hole at 12 feet.**
			13							
			14							
			15							
			16							
			17							
			18							
			19							
			20							

Comments: Initial groundwater level: 6.1 feet. Turbidity: Low. Color: Light green.

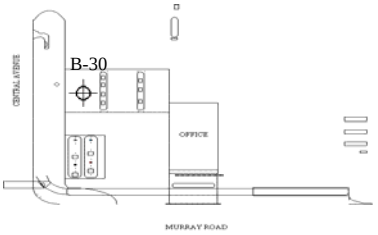
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-30
Job#: SP-120	**Sheet**
Date: 2/2/2006	10 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmental
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	4.85 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Jeff Gaines
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	30 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-1' Concrete/Base**
			1					CL	**1-3' Silty Clay**, brown/green, stiff, moist, faint odor.
.3 ppm			2	*					
2.3 ppm			3					ML	**3-3.5' Clayey Silt**, dark brown, faint odor, moist, roots-many.
			4					CL	**3.5-9.5' Silty Clay**, dark brown with green, moist, mottles-common, faint odor.
			5	*					
			6						
			7						
3.6 ppm			8						
			9						
2.6 ppm			10	*				SP	**9.5-10.5' Sand**, brown and green, fine grained, wet, well sorted, roots-few, faint odor.
			11					CL	**10.5-13' Silty Clay**, dark brown turning gray at 12 feet, very moist, faint odor.
			12						
3.6 ppm			13					SP	**13-13.5' Sand**, green, wet, no odor.
								CL	**13.5-14' Silty Clay**, brown, roots-few, no odor.
			14					SP	**14-30' Sand**, fine grained, light brown, well sorted, wet, no odor.
			15	*					
			16						
			17						
			18						
			19						
			20	*					

Comments: Initial groundwater level: 4.85 feet. Turbidity: Moderate. Color: Green.

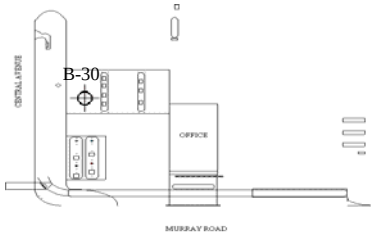
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-30
Job#: SP-120	**Sheet**
Date: 2/2/2006	11 of 18

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Fisch Environmenta	**Project Manager:**	Andy Malone
Rig Operator:	Dave	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jack S.
Drill Rig Type:	Direct-Push	**Sampling Method:**	
Approximate Initial Water Level	feet bgs	**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level	feet bgs	**Boring Diameter:**	2.25 inch
		Boring Depth:	30 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			20	*				SP	**14-30' Sand,** fine grained, light brown, well sorted, wet, no odor.
0 ppm									
			21						
			22						
			23						
			24						
			25	*					
			26						
0 ppm			27						
			28						
			29						
			30	*					**Bottom of Hole at 30 feet.**

Comments: Initial groundwater level: 4.85 feet. Turbidity: Moderate. Color: Green.

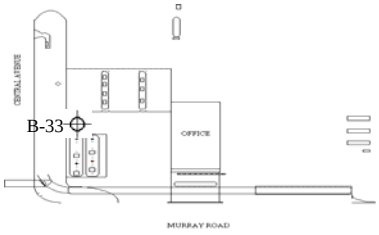
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-33
Job#: SP-120	**Sheet**
Date: 2/2/2006	12 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmenta
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	5.05 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Jeff Gaines
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	12 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-1' Asphalt/Base**
			1					CL	**1-2.5' Silty Clay**, brown and green, stiff, faint HC odor.
			2	*					
33 ppm								ML	**2.5-4' Clayey Silt**, dark brown, moist, stiff, mottles-common, no odor.
			3						
			4	*				–	**4-8' No Recovery.**
26 ppm		▽						Unknown	
			5						
			6						
			7						
0 ppm			8	*				CL	**8-10.5' Silty Clay**, brown and green, stiff, mottles, no odor.
			9						
			10						
			11					SP	**10.5-12' Sand**, fine grained, green, well sorted, no odor.
			12						**Bottom of Hole at 12 feet.**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Initial groundwater level: 5.05 feet. Turbidity: Moderate. Color: Greenish brown

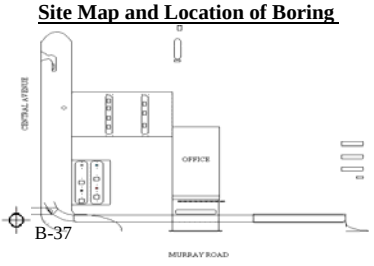
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-37
Job#: SP-120	**Sheet**
Date: 2/9/2006	13 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmenta
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	5.05 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Mort Larsen
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	24 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL		FIELD NOTES
PID			0					AB		**0-3.5' Asphalt/Base**, no odor.
Malfunction										
			1							
			2							
			3							
								CL		**3.5-4' Silty Clay**, brown gray, slightly wet, no odor.
			4	*				–	Unknown	**4-8' No Recovery.**
			5							
			6							
			7							
			8					SP		**8-15' Sand**, grayish brown to brown at 12 feet, saturated, no odor, fine grained, some organics.
			9							
			10	*						
			11							
			12							
			13							
			14							
			15	*				SP		**15-20' Sand**, fine grained, orange-brown, slightly moist, firm sub rounded pebbles, no odor.
			16							
			17							
			18							
			19							
			20	*						

Comments: Initial groundwater level: 5.05 feet. Turbidity: Moderate. Color: Light brown. Water samples taken at 5 and 24 feet. No recovery beyond 20 feet.

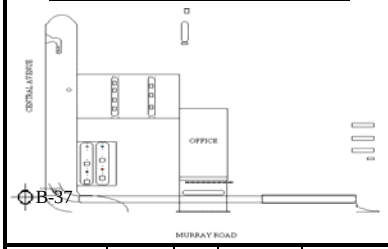
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-37
Job#: SP-120	**Sheet**
Date: 2/9/2006	14 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmenta
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Mort Larsen
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	24 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL		FIELD NOTES
			20	*				–	Unknown	**20-24' No Recovery.**
			21							
			22							
			23							
			24							**Bottom of Hole and Refusal at 24 feet.**

Comments: Initial groundwater level: 5.05 feet. Turbidity: Moderate. Color: Light brown. Water samples taken at 5 and 24 feet.

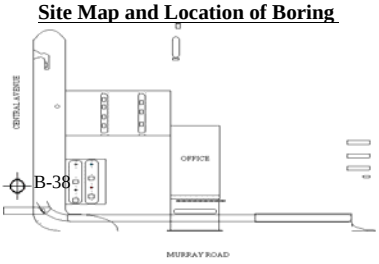
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-38
Job#: SP-120	**Sheet**
Date: 2/9/2006	15 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmental
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	5.21 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Mort Larsen
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	12 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL		FIELD NOTES
			0					AB		**0-2.5' Asphalt/Base**
			1							
			2					ML		**2.5-3.5' Silt**, dark brown, some top soil, moist, no odor, clay increase at 3.5 feet.
			3					CL		**3.5-4' Clay**, dark brown, slightly moist, no odor.
			4	*				–	Unknown	**4-8' No Recovery.**
		▽	5							
			6							
			7							
			8	*				CL		**8-9' Silty Clay**, light brown fading to gray at 9 feet, slightly moist, no odor.
			9					CL		**9-10' Sandy Silty Clay**, gray, roots, slightly moist, sand increasing toward bottom, no odor.
			10					SP		**10-12' Sand**, gray fading to brown at 10.5 feet, no odor.
			11							
			12	*						**Bottom of Hole at 12 feet.**
			13							
			14							
			15							
			16							
			17							
			18							
			19							
			20							

Comments: Initial groundwater level: 5.21feet. Turbidity: Moderate. Color: Light brown. Sample taken at ~6 feet

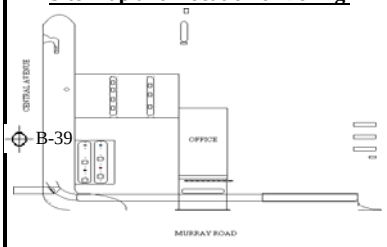
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-39
Job#: SP-120	**Sheet**
Date: 2/9/2006	16 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmenta
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	4.95 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Mort Larsen
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	24 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL		FIELD NOTES
			0					AB		**0-3' Asphalt/Base**
			1							
			2							
			3					ML		**3-3.5' Silt**, dark brown, some top soil, moist, no odor.
								CL		**3.5-4' Sandy Silty Clay**, orange brown, slightly moist, no
			4	*				–	Unknown	**4-8' No Recovery.**
			5							
			6							
			7							
			8					CL		**8-9' Sandy Silty Clay**, orange gray, some mottles, slightly moist, no odor.
			9					CL		**9-10.5' Sandy Clay**, gray, slightly moist, no odor.
			10	*						
			11					SP		**10.5-20' Sand**, loose, fine grained, orange, some mottles, no odor.
			12							
			13							
			14							
			15	*						
			16							
			17							
			18							
			19							
			20	*						

Comments: Initial groundwater level: 4.95 feet. Turbidity: High (sand). Color: Yellowish brown. Water samples taken at 5 and 24 feet.

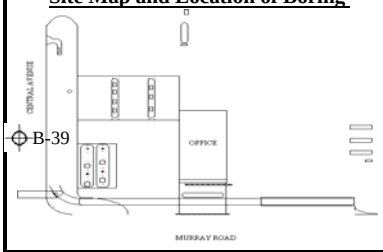
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	B-39
Job#: SP-120	**Sheet**
Date: 2/9/2006	17 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmental
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Mort Larsen
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	24 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL		FIELD NOTES
			20	*				–	Unknown	**20-24' No Recovery.**
			21							
			22							
			23							
			24							**Bottom of Hole and Refusal at 24 feet.**

Comments: Initial groundwater level: 4.95 feet. Turbidity: High (sand). Color: Yellowish brown. Water samples taken at 5 and 24 feet.

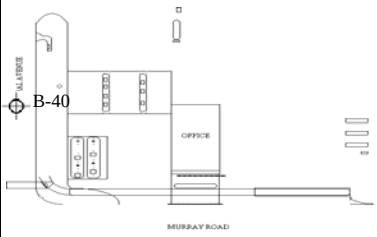
Boring Log

Job Site/ Address: Big Foot Gas
2801 Central Ave, McKinleyville, CA

SounPacific Environmental Services
(707) 269-0884

Client	Boring No.
BO&T	B-40
Job#: SP-120	**Sheet**
Date: 2/9/2006	18 of 18

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Fisch Environmenta
Rig Operator:	Dave
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	5.45 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Mort Larsen
Sampler:	Jack S.
Sampling Method:	
Time Start:	N/A
Time Stop:	N/A
Boring Diameter:	2.25 inch
Boring Depth:	12 Feet

Northing N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL		FIELD NOTES
			0					AB		**0-3' Asphalt/Base**
			1							
			2							
			3					CL		**3-4' Sandy Silty Clay**, light brown to reddish brown w/ gray mottles, no odor.
			4	*				–	Unknown	**4-8' No Recovery.**
		▽	5							
			6							
			7							
			8	*				CL		**8-10' Sandy Silty Clay**, light brown to reddish brown w/ gray mottles, no odor.
			9							
			10					CL		**10-12' Sandy Clay**, bluish gray, slightly moist, organics and roots, no odor, at 11 feet sand increases with depth.
			11							
			12	*						**Bottom of Hole at 12 feet.**
			13							
			14							
			15							
			16							
			17							
			18							
			19							
			20							

Comments: Initial groundwater level: 5.45 feet. Turbidity: Moderate. Color: Light brown. Water Sample taken at ~ 6feet.

Appendix B

NORTH COAST
LABORATORIES LTD.

March 13, 2006

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Attn: Greg Sounhein

RE: SP-120, Bigfoot Gas

Order No.: 0602220
Invoice No.: 56800
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	B-37 @ 4'
01B	B-37 @ 4'
02A	B-37 @ 10'
02B	B-37 @ 10'
03A	B-37 @ 15'
03B	B-37 @ 15'
04A	B-37 @ 20'
04B	B-37 @ 20'
05A	B-38 @ 4'
05B	B-38 @ 4'
06A	B-38 @ 8'
06B	B-38 @ 8'
07A	B-38 @ 12'
07B	B-38 @ 12'
08A	B-39 @ 4'
08B	B-39 @ 4'
09A	B-39 @ 10'
09B	B-39 @ 10'
10A	B-39 @ 15'
10B	B-39 @ 15'
11A	B-39 @ 20'
11B	B-39 @ 20'
12A	B-40 @ 4'
12B	B-40 @ 4'
13A	B-40 @ 8'
13B	B-40 @ 8'
14A	B-40 @ 12'
14B	B-40 @ 12'

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Colleen Blackstone — Laboratory Supervisor(s)

BGood — QA Unit

(FOR JGC) — Jesse G. Chaney, Jr., Laboratory Director

March 13, 2006

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Order No.: 0602220
Invoice No.: 56800
PO
ELAP No. 1247-Expires July 2006

Attn: Greg Sounhein

RE: SP-120, Bigfoot Gas

SAMPLE IDENTIFICATION

15A	B-37 @ 5'
15D	B-37 @ 5'
16A	B-37 @ 24'
16D	B-37 @ 24'
17A	B-38 @ 6'
17D	B-38 @ 6'
18A	B-39 @ 5'
18D	B-39 @ 5'
19A	B-39 @ 24'
19D	B-39 @ 24'
20A	B-40 @ 6'
20D	B-40 @ 6'

North Coast Laboratories, Ltd. **Date:** *13-Mar-06*

CLIENT: SounPacific / Sounhein Environmental
Project: SP-120, Bigfoot Gas
Lab Order: 0602220

CASE NARRATIVE

TPH as Diesel/Motor Oil - Soil:
Sample B-40 @ 8' contains material similar to degraded or weathered diesel oil.

Samples B-37 @ 4', B-38 @ 8', B-39 @ 4' and B-40 @ 4' contain material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.

Samples B-37 @ 10', B-38 @ 4' and B-39 @ 20' do not have the typical pattern of fresh motor oil. However, the results reported represent the amount of material in the motor oil range.

TPH as Diesel/Motor Oil - Water:
Samples B-37 @ 24', B-38 @ 6' and B-39 @ 5' contain material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.

Samples B-38 @ 6', B-39 @ 5', B-39 @ 24' and B-40 @ 6' do not have the typical pattern of fresh motor oil. However, the results reported represent the amount of material in the motor oil range.

The laboratory control sample (LCS) recovery was above the upper acceptance limit for diesel. The laboratory control sample duplicate (LCSD) recovery was within the acceptable limits; therefore, the data were accepted.

Gasoline Components/Additives - Water:
The gasoline value for sample B-40 @ 6' is primarily from the reported gasoline additives.

Some reporting limits were raised for samples B-39 @ 24' and B-40 @ 6' due to matrix interference.

NORTH COAST LABORATORIES
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Date: 13-Mar-06
WorkOrder: 0602220

ANALYTICAL REPORT

Client Sample ID: B-37 @ 4' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-01A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.1	1.0	µg/g	1.0	2/21/06	3/10/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/10/06

Client Sample ID: B-37 @ 4' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-01B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	90.3	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-37 @ 10' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-02A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/21/06	3/10/06
TPHC Motor Oil	12	10	µg/g	1.0	2/21/06	3/10/06

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 13-Mar-06
WorkOrder: 0602220

ANALYTICAL REPORT

Client Sample ID: B-37 @ 10' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-02B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	91.1	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-37 @ 15' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-03A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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Date: 13-Mar-06
WorkOrder: 0602220

ANALYTICAL REPORT

Client Sample ID: B-37 @ 15' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-03B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	90.7	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-37 @ 20' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-04A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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ANALYTICAL REPORT

Client Sample ID: B-37 @ 20' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-04B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	91.0	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-38 @ 4' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-05A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	19	10	µg/g	1.0	2/21/06	3/8/06

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 13-Mar-06
WorkOrder: 0602220

ANALYTICAL REPORT

Client Sample ID: B-38 @ 4' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-05B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	0.012	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	90.9	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-38 @ 8' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-06A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.1	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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Client Sample ID: B-38 @ 8' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-06B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	93.1	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-38 @ 12' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-07A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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Client Sample ID: B-38 @ 12' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-07B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	91.4	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-39 @ 4' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-08A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.1	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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Client Sample ID: B-39 @ 4' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-08B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	92.7	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-39 @ 10' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-09A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	18	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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Client Sample ID: B-39 @ 10' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-09B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	93.0	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-39 @ 15' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-10A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	3.5	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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Client Sample ID: B-39 @ 15' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-10B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	92.3	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-39 @ 20' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-11A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	90	10	µg/g	10	2/21/06	3/10/06
TPHC Motor Oil	21	10	µg/g	1.0	2/21/06	3/8/06

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Client Sample ID: B-39 @ 20' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-11B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	92.4	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-40 @ 4' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-12A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.8	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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Client Sample ID: B-40 @ 4' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-12B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	0.0089	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	93.0	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-40 @ 8' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-13A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.3	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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Client Sample ID: B-40 @ 8' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-13B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/16/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/16/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/16/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/16/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/16/06
Surrogate: 1,4-Dichlorobenzene-d4	92.7	80-120	% Rec	1.0	2/16/06	2/16/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/16/06

Client Sample ID: B-40 @ 12' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-14A

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/21/06	3/8/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/21/06	3/8/06

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Client Sample ID: B-40 @ 12' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-14B

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/16/06	2/17/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/16/06	2/17/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/16/06	2/17/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/16/06	2/17/06
Benzene	ND	0.0050	µg/g	1.0	2/16/06	2/17/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/16/06	2/17/06
Toluene	ND	0.0050	µg/g	1.0	2/16/06	2/17/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/16/06	2/17/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/16/06	2/17/06
o-Xylene	ND	0.0050	µg/g	1.0	2/16/06	2/17/06
Surrogate: 1,4-Dichlorobenzene-d4	93.3	80-120	% Rec	1.0	2/16/06	2/17/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/16/06	2/17/06

Client Sample ID: B-37 @ 5' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-15A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/22/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/22/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/22/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/22/06
Benzene	ND	0.50	µg/L	1.0		2/22/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/22/06
Toluene	ND	0.50	µg/L	1.0		2/22/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/22/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/22/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/22/06
o-Xylene	ND	0.50	µg/L	1.0		2/22/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Surrogate: 1,4-Dichlorobenzene-d4	94.0	80.8-139	% Rec	1.0		2/22/06

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Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/22/06

Client Sample ID: B-37 @ 5' **Received:** 2/10/06 **Collected:** 2/9/06 0:00

Lab ID: 0602220-15D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	50	µg/L	1.0	2/15/06	2/16/06
TPHC Motor Oil	ND	170	µg/L	1.0	2/15/06	2/16/06

Client Sample ID: B-37 @ 24' **Received:** 2/10/06 **Collected:** 2/9/06 0:00

Lab ID: 0602220-16A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/22/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/22/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/22/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/22/06
Benzene	ND	0.50	µg/L	1.0		2/22/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/22/06
Toluene	ND	0.50	µg/L	1.0		2/22/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/22/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/22/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/22/06
o-Xylene	ND	0.50	µg/L	1.0		2/22/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Surrogate: 1,4-Dichlorobenzene-d4	93.8	80.8-139	% Rec	1.0		2/22/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/22/06

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ANALYTICAL REPORT

Client Sample ID: B-37 @ 24' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-16D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	61	50	µg/L	1.0	2/15/06	2/16/06
TPHC Motor Oil	ND	170	µg/L	1.0	2/15/06	2/16/06

Client Sample ID: B-38 @ 6' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-17A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	6.5	1.0	µg/L	1.0		2/22/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/22/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/22/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/22/06
Benzene	ND	0.50	µg/L	1.0		2/22/06
Tert-amyl methyl ether (TAME)	2.1	1.0	µg/L	1.0		2/22/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/22/06
Toluene	ND	0.50	µg/L	1.0		2/22/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/22/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/22/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/22/06
o-Xylene	ND	0.50	µg/L	1.0		2/22/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Surrogate: 1,4-Dichlorobenzene-d4	95.3	80.8-139	% Rec	1.0		2/22/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/22/06

Client Sample ID: B-38 @ 6' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-17D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	84	50	µg/L	1.0	2/15/06	2/16/06
TPHC Motor Oil	190	170	µg/L	1.0	2/15/06	2/16/06

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Date: 13-Mar-06
WorkOrder: 0602220

ANALYTICAL REPORT

Client Sample ID: B-39 @ 5' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-18A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	4.9	1.0	µg/L	1.0		2/22/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/22/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/22/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/22/06
Benzene	ND	0.50	µg/L	1.0		2/22/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/22/06
Toluene	ND	0.50	µg/L	1.0		2/22/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/22/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/22/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/22/06
o-Xylene	ND	0.50	µg/L	1.0		2/22/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Surrogate: 1,4-Dichlorobenzene-d4	94.5	80.8-139	% Rec	1.0		2/22/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/22/06

Client Sample ID: B-39 @ 5' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-18D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	93	50	µg/L	1.0	2/15/06	2/16/06
TPHC Motor Oil	3,100	170	µg/L	1.0	2/15/06	2/16/06

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Date: 13-Mar-06
WorkOrder: 0602220

ANALYTICAL REPORT

Client Sample ID: B-39 @ 24' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-19A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	2.5	µg/L	1.0		2/22/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/22/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/22/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/22/06
Benzene	ND	0.50	µg/L	1.0		2/22/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/22/06
Toluene	ND	0.50	µg/L	1.0		2/22/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/22/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/22/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/22/06
o-Xylene	ND	0.50	µg/L	1.0		2/22/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Surrogate: 1,4-Dichlorobenzene-d4	95.5	80.8-139	% Rec	1.0		2/22/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/22/06

Client Sample ID: B-39 @ 24' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-19D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	50	µg/L	1.0	2/15/06	2/16/06
TPHC Motor Oil	520	170	µg/L	1.0	2/15/06	2/16/06

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Date: 13-Mar-06
WorkOrder: 0602220

ANALYTICAL REPORT

Client Sample ID: B-40 @ 6' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-20A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	76	1.0	µg/L	1.0		2/22/06
Tert-butyl alcohol (TBA)	ND	20	µg/L	1.0		2/22/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/22/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/22/06
Benzene	ND	0.50	µg/L	1.0		2/22/06
Tert-amyl methyl ether (TAME)	27	1.0	µg/L	1.0		2/22/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/22/06
Toluene	ND	0.50	µg/L	1.0		2/22/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/22/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/22/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/22/06
o-Xylene	ND	0.50	µg/L	1.0		2/22/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/22/06
Surrogate: 1,4-Dichlorobenzene-d4	96.6	80.8-139	% Rec	1.0		2/22/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	130	50	µg/L	1.0		2/22/06

Client Sample ID: B-40 @ 6' **Received:** 2/10/06 **Collected:** 2/9/06 0:00
Lab ID: 0602220-20D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	50	µg/L	1.0	2/15/06	2/16/06
TPHC Motor Oil	260	170	µg/L	1.0	2/15/06	2/16/06

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North Coast Laboratories, Ltd.

Date: 13-Mar-06

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602220
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Method Blank

Sample ID **MB-15190** Batch ID: **15190** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **2/16/06 6:25:00 AM** Prep Date **2/16/06**
Client ID: Run ID: **ORGCMS3_060216A** SeqNo: **571454**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.025									
Tert-butyl alcohol (TBA)	ND	0.50									
Di-isopropyl ether (DIPE)	ND	0.020									
Ethyl tert-butyl ether (ETBE)	ND	0.020									
Benzene	ND	0.0050									
Tert-amyl methyl ether (TAME)	ND	0.020									
Toluene	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	ND	0.010									
o-Xylene	ND	0.0050									
1,4-Dichlorobenzene-d4	0.914	0.10	1.00	0	91.4%	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602220
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Method Blank

Sample ID **MB-2/22/06** Batch ID: **R39915** Test Code: **8260OXYW** Units: **µg/L** Analysis Date **2/22/06 7:28:00 AM** Prep Date
Client ID: Run ID: **ORGCMS3_060222A** SeqNo: **573346**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	1.0									
Tert-butyl alcohol (TBA)	ND	10									
Di-isopropyl ether (DIPE)	ND	1.0									
Ethyl tert-butyl ether (ETBE)	ND	1.0									
Benzene	ND	0.50									
Tert-amyl methyl ether (TAME)	ND	1.0									
1,2-Dichloroethane	ND	1.0									
Toluene	0.1821	0.50									J
1,2-Dibromoethane (EDB)	ND	1.0									
Chlorobenzene	ND	1.0									
Ethylbenzene	0.2374	0.50									J
m,p-Xylene	0.4025	0.50									J
o-Xylene	ND	0.50									
1,3-Dichlorobenzene	0.1010	1.0									J
1,4-Dichlorobenzene	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene-d4	0.936	0.10	1.00	0	93.6%	81	139	0			

Sample ID **MB-15190** Batch ID: **15190** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **2/16/06 6:25:00 AM** Prep Date **2/16/06**
Client ID: Run ID: **ORGCMS3_060216B** SeqNo: **571485**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	0.4047	1.0									J

Sample ID **MB-2/22/06** Batch ID: **R39914** Test Code: **GASW-MS** Units: **µg/L** Analysis Date **2/22/06 7:28:00 AM** Prep Date
Client ID: Run ID: **ORGC8_060222A** SeqNo: **573324**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	27.52	50									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602220
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Method Blank

Sample ID **MB-15218** Batch ID: **15218** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **3/8/06 1:32:40 PM** Prep Date **2/21/06**
Client ID: Run ID: **ORGC7_060308A** SeqNo: **577840**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	0.5573	1.0									J
TPHC Motor Oil	ND	10									

Sample ID **MB-15178** Batch ID: **15178** Test Code: **TPHDMW** Units: **µg/L** Analysis Date **2/16/06 2:34:50 AM** Prep Date **2/15/06**
Client ID: Run ID: **ORGC7_060216C** SeqNo: **572786**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	ND	50									
TPHC Motor Oil	ND	170									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 13-Mar-06

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602220
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID **LCS-15190** Batch ID: **15190** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **2/16/06 3:01:00 AM** Prep Date **2/16/06**
Client ID: Run ID: **ORGCMS3_060216A** SeqNo: **571451**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3968	0.025	0.400	0	99.2%	86	137	0			
Tert-butyl alcohol (TBA)	8.852	0.50	8.00	0	111%	43	185	0			
Di-isopropyl ether (DIPE)	0.3931	0.020	0.400	0	98.3%	80	137	0			
Ethyl tert-butyl ether (ETBE)	0.4288	0.020	0.400	0	107%	81	133	0			
Benzene	0.4163	0.0050	0.400	0	104%	74	137	0			
Tert-amyl methyl ether (TAME)	0.4358	0.020	0.400	0	109%	81	135	0			
Toluene	0.4287	0.0050	0.400	0	107%	69	139	0			
Ethylbenzene	0.4412	0.0050	0.400	0	110%	77	139	0			
m,p-Xylene	0.8923	0.010	0.800	0	112%	74	147	0			
o-Xylene	0.4531	0.0050	0.400	0	113%	62	147	0			
1,4-Dichlorobenzene-d4	0.935	0.10	1.00	0	93.5%	80	120	0			

Sample ID **LCSD-15190** Batch ID: **15190** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **2/16/06 3:27:00 AM** Prep Date **2/16/06**
Client ID: Run ID: **ORGCMS3_060216A** SeqNo: **571452**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.4033	0.025	0.400	0	101%	86	137	0.397	1.62%	20	
Tert-butyl alcohol (TBA)	9.039	0.50	8.00	0	113%	43	185	8.85	2.09%	20	
Di-isopropyl ether (DIPE)	0.4045	0.020	0.400	0	101%	80	137	0.393	2.85%	20	
Ethyl tert-butyl ether (ETBE)	0.4411	0.020	0.400	0	110%	81	133	0.429	2.82%	20	
Benzene	0.4267	0.0050	0.400	0	107%	74	137	0.416	2.47%	20	
Tert-amyl methyl ether (TAME)	0.4541	0.020	0.400	0	114%	81	135	0.436	4.10%	20	
Toluene	0.4334	0.0050	0.400	0	108%	69	139	0.429	1.09%	20	
Ethylbenzene	0.4472	0.0050	0.400	0	112%	77	139	0.441	1.36%	20	
m,p-Xylene	0.9284	0.010	0.800	0	116%	74	147	0.892	3.97%	20	
o-Xylene	0.4724	0.0050	0.400	0	118%	62	147	0.453	4.16%	20	
1,4-Dichlorobenzene-d4	0.941	0.10	1.00	0	94.1%	80	120	0.935	0.599%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602220
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID **LCS-06118** Batch ID: **R39915** Test Code: **8260OXYW** Units: **µg/L** Analysis Date **2/22/06 4:05:00 AM** Prep Date

Client ID: Run ID: **ORGCMS3_060222A** SeqNo: **573343**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	18.02	1.0	20.0	0	90.1%	80	120	0			
Tert-butyl alcohol (TBA)	373.1	10	400	0	93.3%	25	162	0			
Di-isopropyl ether (DIPE)	18.20	1.0	20.0	0	91.0%	80	120	0			
Ethyl tert-butyl ether (ETBE)	17.72	1.0	20.0	0	88.6%	77	120	0			
Benzene	18.52	0.50	20.0	0	92.6%	78	117	0			
Tert-amyl methyl ether (TAME)	19.41	1.0	20.0	0	97.0%	64	136	0			
1,2-Dichloroethane	19.65	1.0	20.0	0	98.2%	74	121	0			
Toluene	19.59	0.50	20.0	0	97.9%	80	120	0			
1,2-Dibromoethane (EDB)	19.15	1.0	20.0	0	95.7%	80	120	0			
Chlorobenzene	19.82	1.0	20.0	0	99.1%	80	120	0			
Ethylbenzene	18.84	0.50	20.0	0	94.2%	80	120	0			
m,p-Xylene	38.57	0.50	40.0	0	96.4%	80	120	0			
o-Xylene	21.08	0.50	20.0	0	105%	80	120	0			
1,3-Dichlorobenzene	20.27	1.0	20.0	0	101%	81	125	0			
1,4-Dichlorobenzene	20.13	1.0	20.0	0	101%	79	132	0			
1,2-Dichlorobenzene	19.72	1.0	20.0	0	98.6%	81	134	0			
1,4-Dichlorobenzene-d4	0.982	0.10	1.00	0	98.2%	81	139	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602220
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-06118** Batch ID: **R39915** Test Code: **8260OXYW** Units: **µg/L** Analysis Date **2/22/06 4:30:00 AM** Prep Date
Client ID: Run ID: **ORGCMS3_060222A** SeqNo: **573344**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	18.09	1.0	20.0	0	90.4%	80	120	18.0	0.370%	20	
Tert-butyl alcohol (TBA)	380.2	10	400	0	95.0%	25	162	373	1.87%	20	
Di-isopropyl ether (DIPE)	18.20	1.0	20.0	0	91.0%	80	120	18.2	0.0408%	20	
Ethyl tert-butyl ether (ETBE)	17.81	1.0	20.0	0	89.1%	77	120	17.7	0.494%	20	
Benzene	18.25	0.50	20.0	0	91.2%	78	117	18.5	1.48%	20	
Tert-amyl methyl ether (TAME)	19.56	1.0	20.0	0	97.8%	64	136	19.4	0.786%	20	
1,2-Dichloroethane	19.35	1.0	20.0	0	96.7%	74	121	19.6	1.53%	20	
Toluene	19.36	0.50	20.0	0	96.8%	80	120	19.6	1.14%	20	
1,2-Dibromoethane (EDB)	19.60	1.0	20.0	0	98.0%	80	120	19.2	2.32%	20	
Chlorobenzene	19.63	1.0	20.0	0	98.2%	80	120	19.8	0.952%	20	
Ethylbenzene	18.60	0.50	20.0	0	93.0%	80	120	18.8	1.28%	20	
m,p-Xylene	38.33	0.50	40.0	0	95.8%	80	120	38.6	0.637%	20	
o-Xylene	20.89	0.50	20.0	0	104%	80	120	21.1	0.927%	20	
1,3-Dichlorobenzene	20.26	1.0	20.0	0	101%	81	125	20.3	0.0646%	20	
1,4-Dichlorobenzene	20.04	1.0	20.0	0	100%	79	132	20.1	0.459%	20	
1,2-Dichlorobenzene	19.97	1.0	20.0	0	99.9%	81	134	19.7	1.26%	20	
1,4-Dichlorobenzene-d4	0.977	0.10	1.00	0	97.7%	81	139	0.982	0.472%	20	

Sample ID **LCSG-15190** Batch ID: **15190** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **2/16/06 4:43:00 AM** Prep Date **2/16/06**
Client ID: Run ID: **ORGCMS3_060216B** SeqNo: **571482**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	20.34	1.0	20.0	0	102%	64	150	0			

Sample ID **LCSDG-15190** Batch ID: **15190** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **2/16/06 5:09:00 AM** Prep Date **2/16/06**
Client ID: Run ID: **ORGCMS3_060216B** SeqNo: **571483**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	19.82	1.0	20.0	0	99.1%	64	150	20.3	2.56%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602220
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID **LCS-06119** Batch ID: **R39914** Test Code: **GASW-MS** Units: **µg/L** Analysis Date **2/22/06 5:46:00 AM** Prep Date
Client ID: Run ID: **ORGC8_060222A** SeqNo: **573321**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	978.4	50	1,000	0	97.8%	80	120	0			

Sample ID **LCSD-06119** Batch ID: **R39914** Test Code: **GASW-MS** Units: **µg/L** Analysis Date **2/22/06 6:12:00 AM** Prep Date
Client ID: Run ID: **ORGC8_060222A** SeqNo: **573322**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	971.8	50	1,000	0	97.2%	80	120	978	0.684%	20	

Sample ID **LCS-15218** Batch ID: **15218** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **3/8/06 11:33:49 AM** Prep Date **2/21/06**
Client ID: Run ID: **ORGC7_060308A** SeqNo: **577837**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	9.294	1.0	10.0	0	92.9%	70	130	0			
TPHC Motor Oil	20.82	10	20.0	0	104%	70	130	0			

Sample ID **LCSD-15218** Batch ID: **15218** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **3/8/06 11:53:39 AM** Prep Date **2/21/06**
Client ID: Run ID: **ORGC7_060308A** SeqNo: **577838**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	9.818	1.0	10.0	0	98.2%	70	130	9.29	5.48%	15	
TPHC Motor Oil	21.20	10	20.0	0	106%	70	130	20.8	1.82%	15	

Sample ID **LCS-15178** Batch ID: **15178** Test Code: **TPHDMW** Units: **µg/L** Analysis Date **2/16/06 12:36:28 AM** Prep Date **2/15/06**
Client ID: Run ID: **ORGC7_060216C** SeqNo: **572783**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	629.0	50	500	0	126%	72	124	0			S
TPHC Motor Oil	960.4	170	1,000	0	96.0%	71	139	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602220
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-15178** Batch ID: **15178** Test Code: **TPHDMW** Units: **µg/L** Analysis Date **2/16/06 12:56:14 AM** Prep Date **2/15/06**
Client ID: Run ID: **ORGC7_060216C** SeqNo: **572784**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	591.7	50	500	0	118%	72	124	629	6.11%	15	
TPHC Motor Oil	930.4	170	1,000	0	93.0%	71	139	960	3.18%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

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5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

0602220

LABORATORY NUMBER:

Attention:
Results & Invoice to: Sour Pacific
Address: PO Box 13
Kneeland, CA 95549
Phone: (707) 269-0884
Copies of Report to: greg@sourpacific.com, andy@sourpacific.com, doe@sourpacific.com
Sampler (Sign & Print): Jeff Gaines

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By:__/__/__
Final Report: FAX ☐ Verbal ☐ By:__/__/__

PROJECT INFORMATION
Project Number: SP-120
Project Name: Bigfoot Gas
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	TPHg	BTXE	5-oxy's	TPH d/mo	Pb-scavengers
	B-37 @ 4'	2/9/06		S	9, 11	d, g	X	X	X	X	
	B-37 @ 10'	"		"	"	"	"	"	"	"	
	B-37 @ 15'	"		"	"	"	"	"	"	"	
	B-37 @ 20'	"		"	"	"	"	"	"	"	
	B-38 @ 4'	"		"	"	"	"	"	"	"	
	B-38 @ 8'	"		"	"	"	"	"	"	"	
	B-38 @ 12'	"		"	"	"	"	"	"	"	
	B-39 @ 4'	"		"	"	"	"	"	"	"	
	B-39 @ 10'	"		"	"	"	"	"	"	"	
	B-39 @ 15'	"		"	"	"	"	"	"	"	

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Global ID # T0602300259

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Jeff Gaines	2/10/06 1300	R Kelley Thompson	2/10/06 1300

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus (Hand)

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

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5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

LABORATORY NUMBER: 0602220

Attention:
Results & Invoice to: Sun Pacific
Address: PO Box 13
Kneeland, CA 95549
Phone: (707) 269 0884
Copies of Report to: greg@sunpacific.com, andy@sunpacific.com, dee@sunpacific.com
Sampler (Sign & Print): Jeff Gaines

PROJECT INFORMATION
Project Number: SP-120
Project Name: Bigfoot Gas
Purchase Order Number:

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By:__/__/__
Final Report: FAX ☐ Verbal ☐ By:__/__/__

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	TPH g	BTXE	5-oxy's	TPH d/mo	Pb scavengers	8260 list S
	B-39 @ 20'	2/9/06		S	9.11.14	d,g,b	X	X	X	X		
	B-40 @ 4'	"		"	"	"						
	B-40 @ 8'	"		"	"	"						
	B-40 @ 12'	"		"	"	"						
	B-37 @ 5'	"		GW	"	"					X	
	B-37 @ 24'	"		"	"	"						
	B-38 @ 6'	"		"	"	"						
	B-39 @ 5'	"		"	"	"						
	B-39 @ 24'	"		"	"	"						
	B-40 @ 6'	"		"	"	"						

SAMPLE CONDITION/SPECIAL INSTRUCTIONS
COC intact
Global ID# T0602300259

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Jeff Gaines	2/10/06	[illegible]	2/10/06 1300

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus (Hand)

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST
LABORATORIES LTD.

March 07, 2006

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Attn: Greg Sounhein

RE: SP-120, Bigfoot Gas

Order No.: 0602102
Invoice No.: 56672
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	B-19 @ 5'
01D	B-19 @ 5'
02A	B-21 @ 4'
02D	B-21 @ 4'
03A	B-22 @ 10'
03D	B-22 @ 10'
04A	B-22 @ 15'
04D	B-22 @ 15'
05A	B-23 @ 9'
05D	B-23 @ 9'
06A	B-25 @ 4'
06D	B-25 @ 4'
07A	B-27 @ 4.5'
07D	B-27 @ 4.5'
08A	B-28 @ 4'
08D	B-28 @ 4'
09A	B-29 @ 6'
09D	B-29 @ 6'
10A	B-30 @ 5'
10D	B-30 @ 5'
11A	B-33 @ 5.5'
11D	B-33 @ 5.5'
12A	B-19 @ 2'
12B	B-19 @ 2'
13A	B-19 @ 4'
13B	B-19 @ 4'
14A	B-19 @ 8'
14B	B-19 @ 8'

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Colleen Blackstone
Laboratory Supervisor(s)

QA Unit

Jesse G. Chaney, Jr.
Laboratory Director

5680 West End Road • Arcata California 95521-9202 • 707-822-4649 • FAX 707-822-6831

March 07, 2006

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Order No.: 0602102
Invoice No.: 56672
PO
ELAP No. 1247-Expires July 2006

Attn: Greg Sounhein

RE: SP-120, Bigfoot Gas

SAMPLE IDENTIFICATION

15A	B-21 @ 4'
15B	B-21 @ 4'
16A	B-22 @ 5'
16B	B-22 @ 5'
17A	B-22 @ 10'
17B	B-22 @ 10'
18A	B-22 @ 15'
18B	B-22 @ 15'
19A	B-22 @ 20'
19B	B-22 @ 20'
20A	B-22 @ 25'
20B	B-22 @ 25'
21A	B-22 @ 30'
21B	B-22 @ 30'
22A	B-23 @ 5'
22B	B-23 @ 5'
23A	B-23 @ 8'
23B	B-23 @ 8'
24A	B-25 @ 2'
24B	B-25 @ 2'
25A	B-25 @ 8'
25B	B-25 @ 8'
26A	B-25 @ 12'
26B	B-25 @ 12'
27A	B-27 @ 2'
27B	B-27 @ 2'
28A	B-27 @ 4'
28B	B-27 @ 4'
29A	B-27 @ 8'

March 07, 2006

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Order No.: 0602102
Invoice No.: 56672
PO
ELAP No. 1247-Expires July 2006

Attn: Greg Sounhein

RE: SP-120, Bigfoot Gas

SAMPLE IDENTIFICATION

29B	B-27 @ 8'
30A	B-27 @ 12'
30B	B-27 @ 12'
31A	B-28 @ 2'
31B	B-28 @ 2'
32A	B-28 @ 10'
32B	B-28 @ 10'
33A	B-29 @ 2'
33B	B-29 @ 2'
34A	B-29 @ 4'
34B	B-29 @ 4'
35A	B-29 @ 12'
35B	B-29 @ 12'
36A	B-30 @ 2'
36B	B-30 @ 2'
37A	B-30 @ 5'
37B	B-30 @ 5'
38A	B-30 @ 10'
38B	B-30 @ 10'
39A	B-30 @ 15'
39B	B-30 @ 15'
40A	B-30 @ 20'
40B	B-30 @ 20'
41A	B-30 @ 25'
41B	B-30 @ 25'
42A	B-30 @ 30'
42B	B-30 @ 30'
43A	B-33 @ 2'
43B	B-33 @ 2'

March 07, 2006

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Order No.: 0602102
Invoice No.: 56672
PO
ELAP No. 1247-Expires July 2006

Attn: Greg Sounhein

RE: SP-120, Bigfoot Gas

SAMPLE IDENTIFICATION

44A	B-33 @ 4'
44B	B-33 @ 4'
45A	B-33 @ 8'
45B	B-33 @ 8'

North Coast Laboratories, Ltd. **Date:** *07-Mar-06*

CLIENT: SounPacific / Sounhein Environmental
Project: SP-120, Bigfoot Gas
Lab Order: 0602102

CASE NARRATIVE

TPH as Diesel/Motor Oil - Soil:
Samples B-19 @ 2', B-22 @ 5', B-23 @ 5', B-23 @ 8', B-25 @ 2' and B-33 @ 2' contain material similar to degraded or weathered diesel oil.

Samples B-22 @ 20' and B-30 @ 5' contain material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.

Sample B-23 @ 5' does not have the typical pattern of fresh motor oil. However, the result reported represents the amount of material in the motor oil range.

The motor oil result for sample B-19 @ 4' was reported as not detected (ND) with a dilution due to matrix interference.

The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) run on 2/13/06 recoveries were above the upper acceptance limits for diesel. These recoveries indicate that the sample results may be erroneously high.

TPH as Diesel/Motor Oil - Water:
Samples B-22 @ 10' and B-22 @ 15' contain some material lighter than diesel. However, some of this material extends into the diesel range of molecular weights.

Sample B-19 @ 5' contains material similar to degraded or weathered diesel oil.

Samples B-21 @ 4', B-22 @ 10', B-22 @ 15', B-23 @ 9', B-29 @ 6' and B-30 @ 5' contain material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.

Samples B-25 @ 4', B-27 @ 4.5', B-28 @ 4' and B-33 @ 5.5' are being reported as not detected (ND) for diesel oil with a dilution due to matrix interference.

Samples B-21 @ 4', B-22 @ 10', B-22 @ 15', B-25 @ 4', B-27 @ 4.5', B-28 @ 4', B-30 @ 5' and B-33 @ 5.5' do not have the typical pattern of fresh motor oil. However, the results reported represent the amount of material in the motor oil range.

Gasoline Components/Additives - Water:
Samples B-22 @ 10' and B-22 @ 15' appear to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported results represent the amount of material in the gasoline range.

The gasoline values for samples B-19 @ 5', B-25 @ 4', B-27 @ 4.5', B-29 @ 6', B-30 @ 5' and B-33 @

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5.5' include the reported gasoline components and additives in addition to other peaks in the gasoline range.

The gasoline value for sample B-28 @ 4' is primarily from the reported gasoline additives.

Sample B-25 @ 4 was reported as ND for ethylbenzene with a dilution due to limited sample volume.

Gasoline Components/Additives - Soil:
The gasoline values for samples B-22 @ 10' and B-27 @ 2' include the reported gasoline components in addition to other peaks in the gasoline range.

The gasoline value for sample B-29 @ 2' includes the reported gasoline additives in addition to other peaks in the gasoline range.

The gasoline value for sample B-30 @ 2' is primarily from the reported gasoline additives.

Some reporting limits were raised for sample B-22 @ 5' due to matrix interference.

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Date: 07-Mar-06
WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-19 @ 5' **Received:** 2/6/06 **Collected:** 2/2/06 0:00
Lab ID: 0602102-01A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	73	1.0	µg/L	1.0		2/10/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/10/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/10/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/10/06
Benzene	ND	0.50	µg/L	1.0		2/10/06
Tert-amyl methyl ether (TAME)	6.2	1.0	µg/L	1.0		2/10/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/10/06
Toluene	1.2	0.50	µg/L	1.0		2/10/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/10/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/10/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/10/06
m,p-Xylene	0.62	0.50	µg/L	1.0		2/10/06
o-Xylene	ND	0.50	µg/L	1.0		2/10/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/10/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/10/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/10/06
Surrogate: 1,4-Dichlorobenzene-d4	109	80.8-139	% Rec	1.0		2/10/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	94	50	µg/L	1.0		2/10/06

Client Sample ID: B-19 @ 5' **Received:** 2/6/06 **Collected:** 2/2/06 0:00
Lab ID: 0602102-01D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	520	500	µg/L	10	2/14/06	3/3/06
TPHC Motor Oil	20,000	1,700	µg/L	10	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-21 @ 4' **Received:** 2/6/06 **Collected:** 2/2/06 0:00
Lab ID: 0602102-02A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/12/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/12/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/12/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/12/06
Benzene	ND	0.50	µg/L	1.0		2/12/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/12/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/12/06
Toluene	ND	0.50	µg/L	1.0		2/12/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/12/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/12/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/12/06
o-Xylene	ND	0.50	µg/L	1.0		2/12/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Surrogate: 1,4-Dichlorobenzene-d4	107	80.8-139	% Rec	1.0		2/12/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/12/06

Client Sample ID: B-21 @ 4' **Received:** 2/6/06 **Collected:** 2/2/06 0:00
Lab ID: 0602102-02D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	280	50	µg/L	1.0	2/14/06	3/3/06
TPHC Motor Oil	860	170	µg/L	1.0	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-22 @ 10'
Lab ID: 0602102-03A

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	110	50	µg/L	50		2/13/06
Tert-butyl alcohol (TBA)	120	10	µg/L	1.0		2/12/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/12/06
Ethyl tert-butyl ether (ETBE)	1.9	1.0	µg/L	1.0		2/12/06
Benzene	79	0.50	µg/L	1.0		2/12/06
Tert-amyl methyl ether (TAME)	12	1.0	µg/L	1.0		2/12/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/12/06
Toluene	120	25	µg/L	50		2/13/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/12/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Ethylbenzene	870	25	µg/L	50		2/13/06
m,p-Xylene	5,000	25	µg/L	50		2/13/06
o-Xylene	430	25	µg/L	50		2/13/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Surrogate: 1,4-Dichlorobenzene-d4	107	80.8-139	% Rec	1.0		2/12/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	23,000	2,500	µg/L	50		2/13/06

Client Sample ID: B-22 @ 10'
Lab ID: 0602102-03D

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	97	50	µg/L	1.0	2/14/06	3/3/06
TPHC Motor Oil	910	170	µg/L	1.0	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-22 @ 15'
Lab ID: 0602102-04A

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	94	1.0	µg/L	1.0		2/12/06
Tert-butyl alcohol (TBA)	65	10	µg/L	1.0		2/12/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/12/06
Ethyl tert-butyl ether (ETBE)	1.4	1.0	µg/L	1.0		2/12/06
Benzene	22	0.50	µg/L	1.0		2/12/06
Tert-amyl methyl ether (TAME)	7.5	1.0	µg/L	1.0		2/12/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/12/06
Toluene	41	0.50	µg/L	1.0		2/12/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/12/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Ethylbenzene	180	25	µg/L	50		2/13/06
m,p-Xylene	960	25	µg/L	50		2/13/06
o-Xylene	100	25	µg/L	50		2/13/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Surrogate: 1,4-Dichlorobenzene-d4	107	80.8-139	% Rec	1.0		2/12/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	5,800	2,500	µg/L	50		2/13/06

Client Sample ID: B-22 @ 15'
Lab ID: 0602102-04D

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	92	50	µg/L	1.0	2/14/06	3/3/06
TPHC Motor Oil	640	170	µg/L	1.0	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-23 @ 9' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-05A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/13/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/13/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/13/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/13/06
Benzene	ND	0.50	µg/L	1.0		2/13/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/13/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/13/06
Toluene	0.79	0.50	µg/L	1.0		2/13/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/13/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/13/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/13/06
m,p-Xylene	0.58	0.50	µg/L	1.0		2/13/06
o-Xylene	ND	0.50	µg/L	1.0		2/13/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/13/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/13/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/13/06
Surrogate: 1,4-Dichlorobenzene-d4	108	80.8-139	% Rec	1.0		2/13/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/13/06

Client Sample ID: B-23 @ 9' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-05D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	210	50	µg/L	1.0	2/14/06	3/3/06
TPHC Motor Oil	1,500	170	µg/L	1.0	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-25 @ 4' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-06A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	1,300	50	µg/L	50		2/13/06
Tert-butyl alcohol (TBA)	43	10	µg/L	1.0		2/12/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/12/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/12/06
Benzene	14	0.50	µg/L	1.0		2/12/06
Tert-amyl methyl ether (TAME)	1.4	1.0	µg/L	1.0		2/12/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/12/06
Toluene	1.1	0.50	µg/L	1.0		2/12/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/12/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Ethylbenzene	ND	1.0	µg/L	2.0		2/13/06
m,p-Xylene	1.1	1.0	µg/L	2.0		2/13/06
o-Xylene	ND	0.50	µg/L	1.0		2/12/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Surrogate: 1,4-Dichlorobenzene-d4	106	80.8-139	% Rec	1.0		2/12/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1,200	50	µg/L	1.0		2/12/06

Client Sample ID: B-25 @ 4' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-06D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	500	µg/L	10	2/14/06	3/3/06
TPHC Motor Oil	7,700	1,700	µg/L	10	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-27 @ 4.5' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-07A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	88	1.0	µg/L	1.0		2/13/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/13/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/13/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/13/06
Benzene	0.53	0.50	µg/L	1.0		2/13/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/13/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/13/06
Toluene	1.0	0.50	µg/L	1.0		2/13/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/13/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/13/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/13/06
m,p-Xylene	0.65	0.50	µg/L	1.0		2/13/06
o-Xylene	ND	0.50	µg/L	1.0		2/13/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/13/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/13/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/13/06
Surrogate: 1,4-Dichlorobenzene-d4	107	80.8-139	% Rec	1.0		2/13/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	110	50	µg/L	1.0		2/12/06

Client Sample ID: B-27 @ 4.5' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-07D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	500	µg/L	10	2/14/06	3/3/06
TPHC Motor Oil	5,100	1,700	µg/L	10	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-28 @ 4'
Lab ID: 0602102-08A

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	500	50	µg/L	50		2/13/06
Tert-butyl alcohol (TBA)	170	10	µg/L	1.0		2/13/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/13/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/13/06
Benzene	ND	0.50	µg/L	1.0		2/13/06
Tert-amyl methyl ether (TAME)	190	50	µg/L	50		2/13/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/13/06
Toluene	ND	0.50	µg/L	1.0		2/13/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/13/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/13/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/13/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/13/06
o-Xylene	ND	0.50	µg/L	1.0		2/13/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/13/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/13/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/13/06
Surrogate: 1,4-Dichlorobenzene-d4	108	80.8-139	% Rec	1.0		2/13/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	790	50	µg/L	1.0		2/12/06

Client Sample ID: B-28 @ 4'
Lab ID: 0602102-08D

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	500	µg/L	10	2/14/06	3/3/06
TPHC Motor Oil	4,200	1,700	µg/L	10	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-29 @ 6' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-09A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	3,300	100	µg/L	100		2/13/06
Tert-butyl alcohol (TBA)	250	10	µg/L	1.0		2/12/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/12/06
Ethyl tert-butyl ether (ETBE)	30	1.0	µg/L	1.0		2/12/06
Benzene	360	50	µg/L	100		2/13/06
Tert-amyl methyl ether (TAME)	4.7	1.0	µg/L	1.0		2/12/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/12/06
Toluene	8.5	0.50	µg/L	1.0		2/12/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/12/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Ethylbenzene	3.1	0.50	µg/L	1.0		2/12/06
m,p-Xylene	4.8	0.50	µg/L	1.0		2/12/06
o-Xylene	1.7	0.50	µg/L	1.0		2/12/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Surrogate: 1,4-Dichlorobenzene-d4	106	80.8-139	% Rec	1.0		2/12/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	3,400	50	µg/L	1.0		2/12/06

Client Sample ID: B-29 @ 6' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-09D

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	140	50	µg/L	1.0	2/14/06	3/3/06
TPHC Motor Oil	440	170	µg/L	1.0	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-30 @ 5'
Lab ID: 0602102-10A

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	3,300	100	µg/L	100		2/13/06
Tert-butyl alcohol (TBA)	270	10	µg/L	1.0		2/12/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/12/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/12/06
Benzene	9.1	0.50	µg/L	1.0		2/12/06
Tert-amyl methyl ether (TAME)	160	100	µg/L	100		2/13/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/12/06
Toluene	2.5	0.50	µg/L	1.0		2/12/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/12/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Ethylbenzene	0.87	0.50	µg/L	1.0		2/12/06
m,p-Xylene	3.4	0.50	µg/L	1.0		2/12/06
o-Xylene	1.3	0.50	µg/L	1.0		2/12/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Surrogate: 1,4-Dichlorobenzene-d4	108	80.8-139	% Rec	1.0		2/12/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	2,700	50	µg/L	1.0		2/12/06

Client Sample ID: B-30 @ 5'
Lab ID: 0602102-10D

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	160	50	µg/L	1.0	2/14/06	3/3/06
TPHC Motor Oil	420	170	µg/L	1.0	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-33 @ 5.5'
Lab ID: 0602102-11A

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	170	50	µg/L	50		2/13/06
Tert-butyl alcohol (TBA)	34	10	µg/L	1.0		2/12/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/12/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/12/06
Benzene	22	0.50	µg/L	1.0		2/12/06
Tert-amyl methyl ether (TAME)	86	1.0	µg/L	1.0		2/12/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		2/12/06
Toluene	2.0	0.50	µg/L	1.0		2/12/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/12/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Ethylbenzene	5.9	0.50	µg/L	1.0		2/12/06
m,p-Xylene	14	0.50	µg/L	1.0		2/12/06
o-Xylene	ND	0.50	µg/L	1.0		2/12/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/12/06
Surrogate: 1,4-Dichlorobenzene-d4	104	80.8-139	% Rec	1.0		2/12/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	800	50	µg/L	1.0		2/12/06

Client Sample ID: B-33 @ 5.5'
Lab ID: 0602102-11D

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	500	µg/L	10	2/14/06	3/3/06
TPHC Motor Oil	3,700	1,700	µg/L	10	2/14/06	3/3/06

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ANALYTICAL REPORT

Client Sample ID: B-19 @ 2' **Received:** 2/6/06 **Collected:** 2/2/06 0:00

Lab ID: 0602102-12A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	91.2	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-19 @ 2' **Received:** 2/6/06 **Collected:** 2/2/06 0:00

Lab ID: 0602102-12B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.2	1.0	µg/g	1.0	2/9/06	2/13/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/13/06

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ANALYTICAL REPORT

Client Sample ID: B-19 @ 4' **Received:** 2/6/06 **Collected:** 2/2/06 0:00

Lab ID: 0602102-13A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	91.7	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-19 @ 4' **Received:** 2/6/06 **Collected:** 2/2/06 0:00

Lab ID: 0602102-13B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/21/06
TPHC Motor Oil	ND	100	µg/g	10	2/9/06	2/14/06

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ANALYTICAL REPORT

Client Sample ID: B-19 @ 8' **Received:** 2/6/06 **Collected:** 2/2/06 0:00

Lab ID: 0602102-14A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	91.3	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-19 @ 8' **Received:** 2/6/06 **Collected:** 2/2/06 0:00

Lab ID: 0602102-14B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/13/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/13/06

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ANALYTICAL REPORT

Client Sample ID: B-21 @ 4'
Lab ID: 0602102-15A

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	92.0	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-21 @ 4'
Lab ID: 0602102-15B

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/13/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/13/06

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ANALYTICAL REPORT

Client Sample ID: B-22 @ 5'
Lab ID: 0602102-16A

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.072	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	2.0	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	92.6	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-22 @ 5'
Lab ID: 0602102-16B

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	4.8	1.0	µg/g	1.0	2/9/06	2/13/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/13/06

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ANALYTICAL REPORT

Client Sample ID: B-22 @ 10' **Received:** 2/6/06 **Collected:** 2/2/06 0:00
Lab ID: 0602102-17A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	0.016	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	0.20	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	0.041	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	94.0	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1.6	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-22 @ 10' **Received:** 2/6/06 **Collected:** 2/2/06 0:00
Lab ID: 0602102-17B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/13/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/13/06

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ANALYTICAL REPORT

Client Sample ID: B-22 @ 15'
Lab ID: 0602102-18A

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	92.7	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-22 @ 15'
Lab ID: 0602102-18B

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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Date: 07-Mar-06
WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-22 @ 20'
Lab ID: 0602102-19A

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	92.4	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-22 @ 20'
Lab ID: 0602102-19B

Received: 2/6/06 **Collected:** 2/2/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.2	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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Date: 07-Mar-06

WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-22 @ 25'

Received: 2/6/06 **Collected:** 2/2/06 0:00

Lab ID: 0602102-20A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	92.9	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-22 @ 25'

Received: 2/6/06 **Collected:** 2/2/06 0:00

Lab ID: 0602102-20B

Test Name: TPH as Diesel/Motor Oil

Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-22 @ 30' **Received:** 2/6/06 **Collected:** 2/2/06 0:00
Lab ID: 0602102-21A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	94.2	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-22 @ 30' **Received:** 2/6/06 **Collected:** 2/2/06 0:00
Lab ID: 0602102-21B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-23 @ 5'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-22A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.1	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-23 @ 5'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-22B

Test Name: TPH as Diesel/Motor Oil

Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	3.5	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	11	10	µg/g	1.0	2/9/06	2/14/06

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WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-23 @ 8'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-23A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	91.8	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-23 @ 8'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-23B

Test Name: TPH as Diesel/Motor Oil

Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.3	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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Date: 07-Mar-06

WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-25 @ 2' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-24A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.050	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	92.6	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-25 @ 2' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-24B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	2.2	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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Date: 07-Mar-06
WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-25 @ 8'
Lab ID: 0602102-25A

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.11	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.0	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-25 @ 8'
Lab ID: 0602102-25B

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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Date: 07-Mar-06
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ANALYTICAL REPORT

Client Sample ID: B-25 @ 12' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-26A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.16	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	92.7	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-25 @ 12' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-26B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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Date: 07-Mar-06
WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-27 @ 2' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-27A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	0.054	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	95.7	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1.1	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-27 @ 2' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-27B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-27 @ 4' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-28A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.8	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-27 @ 4' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-28B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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ANALYTICAL REPORT

Client Sample ID: B-27 @ 8' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-29A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.4	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-27 @ 8' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-29B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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ANALYTICAL REPORT

Client Sample ID: B-27 @ 12' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-30A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	94.3	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-27 @ 12' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-30B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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ANALYTICAL REPORT

Client Sample ID: B-28 @ 2'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-31A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/13/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/13/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/13/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/13/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/13/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	94.2	80-120	% Rec	1.0	2/13/06	2/14/06

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/13/06	2/14/06

Client Sample ID: B-28 @ 2'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-31B

Test Name: TPH as Diesel/Motor Oil

Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/9/06	2/14/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/9/06	2/14/06

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ANALYTICAL REPORT

Client Sample ID: B-28 @ 10' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-32A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	89.9	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-28 @ 10' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-32B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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ANALYTICAL REPORT

Client Sample ID: B-29 @ 2' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-33A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.038	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	0.0069	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	89.5	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	3.2	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-29 @ 2' **Received:** 2/6/06 **Collected:** 2/3/06 0:00
Lab ID: 0602102-33B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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Client Sample ID: B-29 @ 4' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-34A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.059	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	90.5	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-29 @ 4' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-34B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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Date: 07-Mar-06

WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-29 @ 12' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-35A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.23	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	0.037	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	92.2	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-29 @ 12' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-35B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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Date: 07-Mar-06

WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-30 @ 2'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-36A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.30	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	0.074	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	0.0056	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.4	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1.2	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-30 @ 2'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-36B

Test Name: TPH as Diesel/Motor Oil

Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	6.0	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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Date: 07-Mar-06

WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-30 @ 5' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-37A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.33	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	94.1	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-30 @ 5' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-37B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.5	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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Date: 07-Mar-06

WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-30 @ 10'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-38A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.074	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	92.4	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-30 @ 10'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-38B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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ANALYTICAL REPORT

Date: 07-Mar-06
WorkOrder: 0602102

Client Sample ID: B-30 @ 15'
Lab ID: 0602102-39A

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: Gasoline Components/Additives
Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.1	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline
Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-30 @ 15'
Lab ID: 0602102-39B

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: TPH as Diesel/Motor Oil
Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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Date: 07-Mar-06
WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-30 @ 20'
Lab ID: 0602102-40A

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.6	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-30 @ 20'
Lab ID: 0602102-40B

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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Date: 07-Mar-06

WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-30 @ 25'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-41A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.1	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-30 @ 25'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-41B

Test Name: TPH as Diesel/Motor Oil

Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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Date: 07-Mar-06

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ANALYTICAL REPORT

Client Sample ID: B-30 @ 30' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-42A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.3	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-30 @ 30' **Received:** 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-42B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-33 @ 2'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-43A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	2/14/06	2/14/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/14/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/14/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/14/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/14/06
Surrogate: 1,4-Dichlorobenzene-d4	93.3	80-120	% Rec	1.0	2/14/06	2/14/06

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/14/06

Client Sample ID: B-33 @ 2'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-43B

Test Name: TPH as Diesel/Motor Oil

Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.3	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	51	10	µg/g	1.0	2/10/06	3/2/06

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Date: 07-Mar-06

WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-33 @ 4'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-44A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.027	0.025	µg/g	1.0	2/14/06	2/15/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/15/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/15/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/15/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/15/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/15/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/15/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/15/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
Surrogate: 1,4-Dichlorobenzene-d4	94.1	80-120	% Rec	1.0	2/14/06	2/15/06

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/15/06

Client Sample ID: B-33 @ 4'

Received: 2/6/06 **Collected:** 2/3/06 0:00

Lab ID: 0602102-44B

Test Name: TPH as Diesel/Motor Oil

Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	12	10	µg/g	1.0	2/10/06	3/2/06

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Date: 07-Mar-06
WorkOrder: 0602102

ANALYTICAL REPORT

Client Sample ID: B-33 @ 8'
Lab ID: 0602102-45A

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: Gasoline Components/Additives
Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.037	0.025	µg/g	1.0	2/14/06	2/15/06
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	2/14/06	2/15/06
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	2/14/06	2/15/06
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	2/14/06	2/15/06
Benzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	2/14/06	2/15/06
1,2-Dichloroethane	ND	0.020	µg/g	1.0	2/14/06	2/15/06
Toluene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
1,2-Dibromoethane (EDB)	ND	0.020	µg/g	1.0	2/14/06	2/15/06
Chlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
Ethylbenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
m,p-Xylene	ND	0.010	µg/g	1.0	2/14/06	2/15/06
o-Xylene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
1,3-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
1,4-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
1,2-Dichlorobenzene	ND	0.0050	µg/g	1.0	2/14/06	2/15/06
Surrogate: 1,4-Dichlorobenzene-d4	93.3	80-120	% Rec	1.0	2/14/06	2/15/06

Test Name: TPH as Gasoline
Reference: LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	2/14/06	2/15/06

Client Sample ID: B-33 @ 8'
Lab ID: 0602102-45B

Received: 2/6/06 **Collected:** 2/3/06 0:00

Test Name: TPH as Diesel/Motor Oil
Reference: EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	2/10/06	3/2/06
TPHC Motor Oil	ND	10	µg/g	1.0	2/10/06	3/2/06

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North Coast Laboratories, Ltd.

Date: 07-Mar-06

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-15168** Batch ID: **15168** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **2/14/06 1:27:00 AM** Prep Date: **2/13/06**
Client ID: Run ID: **ORGCMS3_060213A** SeqNo: **570576**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.025									
Tert-butyl alcohol (TBA)	ND	0.50									
Di-isopropyl ether (DIPE)	ND	0.020									
Ethyl tert-butyl ether (ETBE)	ND	0.020									
Benzene	ND	0.0050									
Tert-amyl methyl ether (TAME)	ND	0.020									
1,2-Dichloroethane	ND	0.020									
Toluene	ND	0.0050									
1,2-Dibromoethane (EDB)	ND	0.020									
Chlorobenzene	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	ND	0.010									
o-Xylene	ND	0.0050									
1,3-Dichlorobenzene	ND	0.0050									
1,4-Dichlorobenzene	ND	0.0050									
1,2-Dichlorobenzene	ND	0.0050									
1,4-Dichlorobenzene-d4	0.920	0.10	1.00	0	92.0%	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-15177** Batch ID: **15177** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **2/14/06 6:38:00 AM** Prep Date: **2/14/06**
Client ID: Run ID: **ORGCMS3_060214A** SeqNo: **570781**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.025									
Tert-butyl alcohol (TBA)	ND	0.50									
Di-isopropyl ether (DIPE)	ND	0.020									
Ethyl tert-butyl ether (ETBE)	ND	0.020									
Benzene	ND	0.0050									
Tert-amyl methyl ether (TAME)	ND	0.020									
1,2-Dichloroethane	ND	0.020									
Toluene	ND	0.0050									
1,2-Dibromoethane (EDB)	ND	0.020									
Chlorobenzene	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	ND	0.010									
o-Xylene	ND	0.0050									
1,3-Dichlorobenzene	ND	0.0050									
1,4-Dichlorobenzene	ND	0.0050									
1,2-Dichlorobenzene	ND	0.0050									
1,4-Dichlorobenzene-d4	0.916	0.10	1.00	0	91.7%	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Method Blank

Sample ID: **MB 021006** Batch ID: **R39687** Test Code: **8260OXYW** Units: **µg/L** Analysis Date: **2/10/06 5:56:00 AM** Prep Date:
Client ID: Run ID: **ORGCMS3_060210B** SeqNo: **570135**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	1.0									
Tert-butyl alcohol (TBA)	ND	10									
Di-isopropyl ether (DIPE)	ND	1.0									
Ethyl tert-butyl ether (ETBE)	ND	1.0									
Benzene	ND	0.50									
Tert-amyl methyl ether (TAME)	ND	1.0									
1,2-Dichloroethane	ND	1.0									
Toluene	ND	0.50									
1,2-Dibromoethane (EDB)	ND	1.0									
Chlorobenzene	ND	1.0									J
Ethylbenzene	0.08048	0.50									J
m,p-Xylene	0.1284	0.50									
o-Xylene	ND	0.50									J
1,3-Dichlorobenzene	0.1653	1.0									J
1,4-Dichlorobenzene	0.1665	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene-d4	1.06	0.10	1.00	0	106%	81	139	0			

Sample ID: **MB-15168** Batch ID: **15168** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **2/14/06 1:27:00 AM** Prep Date: **2/13/06**
Client ID: Run ID: **ORGCMS3_060213B** SeqNo: **570608**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	0.7038	1.0									J

Sample ID: **MB-15177** Batch ID: **15177** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **2/14/06 6:38:00 AM** Prep Date: **2/14/06**
Client ID: Run ID: **ORGCMS3_060214B** SeqNo: **570832**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	0.5551	1.0									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Method Blank

Sample ID: **MB 021006** Batch ID: **R39685** Test Code: **GASW-MS** Units: **µg/L** Analysis Date: **2/10/06 5:56:00 AM** Prep Date:
Client ID: Run ID: **ORGCMS3_060210A** SeqNo: **570129**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	27.33	50									J

Sample ID: **MB-15145** Batch ID: **15145** Test Code: **TPHDMS** Units: **µg/g** Analysis Date: **2/13/06 10:14:22 PM** Prep Date: **2/9/06**
Client ID: Run ID: **ORGC7_060213B** SeqNo: **572288**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	0.6299	1.0									J
TPHC Motor Oil	ND	10									

Sample ID: **MB-15153** Batch ID: **15153** Test Code: **TPHDMS** Units: **µg/g** Analysis Date: **3/2/06 1:29:17 AM** Prep Date: **2/10/06**
Client ID: Run ID: **ORGC7_060302A** SeqNo: **575265**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	0.2614	1.0									J
TPHC Motor Oil	ND	10									

Sample ID: **MB-15172** Batch ID: **15172** Test Code: **TPHDMW** Units: **µg/L** Analysis Date: **3/3/06 3:54:36 PM** Prep Date: **2/14/06**
Client ID: Run ID: **ORGC7_060303A** SeqNo: **575911**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	ND	50									J
TPHC Motor Oil	41.91	170									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 07-Mar-06

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCS-15168** Batch ID: **15168** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **2/13/06 10:54:00 AM** Prep Date: **2/13/06**
Client ID: Run ID: **ORGCMS3_060213A** SeqNo: **570574**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3794	0.025	0.400	0	94.9%	86	137	0			
Tert-butyl alcohol (TBA)	8.616	0.50	8.00	0	108%	43	185	0			
Di-isopropyl ether (DIPE)	0.3789	0.020	0.400	0	94.7%	80	137	0			
Ethyl tert-butyl ether (ETBE)	0.4090	0.020	0.400	0	102%	81	133	0			
Benzene	0.4066	0.0050	0.400	0	102%	74	137	0			
Tert-amyl methyl ether (TAME)	0.4116	0.020	0.400	0	103%	81	135	0			
1,2-Dichloroethane	0.4020	0.020	0.400	0	100%	82	154	0			
Toluene	0.4121	0.0050	0.400	0	103%	69	139	0			
1,2-Dibromoethane (EDB)	0.4005	0.020	0.400	0	100%	71	133	0			
Chlorobenzene	0.4297	0.0050	0.400	0	107%	73	135	0			
Ethylbenzene	0.4152	0.0050	0.400	0	104%	77	139	0			
m,p-Xylene	0.8595	0.010	0.800	0	107%	74	147	0			
o-Xylene	0.4234	0.0050	0.400	0	106%	62	147	0			
1,3-Dichlorobenzene	0.4147	0.0050	0.400	0	104%	71	128	0			
1,4-Dichlorobenzene	0.4235	0.0050	0.400	0	106%	70	127	0			
1,2-Dichlorobenzene	0.3874	0.0050	0.400	0	96.9%	71	129	0			
1,4-Dichlorobenzene-d4	0.947	0.10	1.00	0	94.7%	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-15168** Batch ID: **15168** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **2/14/06 6:07:00 AM** Prep Date: **2/13/06**
Client ID: Run ID: **ORGCMS3_060213A** SeqNo: **570587**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3966	0.025	0.400	0	99.2%	86	137	0.379	4.44%	20	
Tert-butyl alcohol (TBA)	8.772	0.50	8.00	0	110%	43	185	8.62	1.79%	20	
Di-isopropyl ether (DIPE)	0.4004	0.020	0.400	0	100%	80	137	0.379	5.51%	20	
Ethyl tert-butyl ether (ETBE)	0.4177	0.020	0.400	0	104%	81	133	0.409	2.09%	20	
Benzene	0.4433	0.0050	0.400	0	111%	74	137	0.407	8.64%	20	
Tert-amyl methyl ether (TAME)	0.4212	0.020	0.400	0	105%	81	135	0.412	2.32%	20	
1,2-Dichloroethane	0.4405	0.020	0.400	0	110%	82	154	0.402	9.15%	20	
Toluene	0.4544	0.0050	0.400	0	114%	69	139	0.412	9.75%	20	
1,2-Dibromoethane (EDB)	0.4308	0.020	0.400	0	108%	71	133	0.400	7.28%	20	
Chlorobenzene	0.4699	0.0050	0.400	0	117%	73	135	0.430	8.93%	20	
Ethylbenzene	0.4460	0.0050	0.400	0	111%	77	139	0.415	7.14%	20	
m,p-Xylene	0.9216	0.010	0.800	0	115%	74	147	0.860	6.97%	20	
o-Xylene	0.4352	0.0050	0.400	0	109%	62	147	0.423	2.74%	20	
1,3-Dichlorobenzene	0.4393	0.0050	0.400	0	110%	71	128	0.415	5.77%	20	
1,4-Dichlorobenzene	0.4544	0.0050	0.400	0	114%	70	127	0.424	7.04%	20	
1,2-Dichlorobenzene	0.4171	0.0050	0.400	0	104%	71	129	0.387	7.37%	20	
1,4-Dichlorobenzene-d4	0.957	0.10	1.00	0	95.7%	80	120	0.947	1.03%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCS-15177** Batch ID: **15177** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **2/14/06 4:05:00 AM** Prep Date: **2/14/06**
Client ID: Run ID: **ORGCMS3_060214A** SeqNo: **570779**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3903	0.025	0.400	0	97.6%	86	137	0			
Tert-butyl alcohol (TBA)	8.604	0.50	8.00	0	108%	43	185	0			
Di-isopropyl ether (DIPE)	0.3916	0.020	0.400	0	97.9%	80	137	0			
Ethyl tert-butyl ether (ETBE)	0.4266	0.020	0.400	0	107%	81	133	0			
Benzene	0.4325	0.0050	0.400	0	108%	74	137	0			
Tert-amyl methyl ether (TAME)	0.4333	0.020	0.400	0	108%	81	135	0			
1,2-Dichloroethane	0.4243	0.020	0.400	0	106%	82	154	0			
Toluene	0.4442	0.0050	0.400	0	111%	69	139	0			
1,2-Dibromoethane (EDB)	0.4253	0.020	0.400	0	106%	71	133	0			
Chlorobenzene	0.4634	0.0050	0.400	0	116%	73	135	0			
Ethylbenzene	0.4432	0.0050	0.400	0	111%	77	139	0			
m,p-Xylene	0.9135	0.010	0.800	0	114%	74	147	0			
o-Xylene	0.4411	0.0050	0.400	0	110%	62	147	0			
1,3-Dichlorobenzene	0.4389	0.0050	0.400	0	110%	71	128	0			
1,4-Dichlorobenzene	0.4458	0.0050	0.400	0	111%	70	127	0			
1,2-Dichlorobenzene	0.4056	0.0050	0.400	0	101%	71	129	0			
1,4-Dichlorobenzene-d4	0.954	0.10	1.00	0	95.4%	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-15177** Batch ID: **15177** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **2/14/06 4:30:00 AM** Prep Date: **2/14/06**
Client ID: Run ID: **ORGCMS3_060214A** SeqNo: **570780**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3899	0.025	0.400	0	97.5%	86	137	0.390	0.108%	20	
Tert-butyl alcohol (TBA)	8.544	0.50	8.00	0	107%	43	185	8.60	0.704%	20	
Di-isopropyl ether (DIPE)	0.3842	0.020	0.400	0	96.0%	80	137	0.392	1.93%	20	
Ethyl tert-butyl ether (ETBE)	0.4160	0.020	0.400	0	104%	81	133	0.427	2.52%	20	
Benzene	0.4190	0.0050	0.400	0	105%	74	137	0.432	3.17%	20	
Tert-amyl methyl ether (TAME)	0.4296	0.020	0.400	0	107%	81	135	0.433	0.846%	20	
1,2-Dichloroethane	0.4121	0.020	0.400	0	103%	82	154	0.424	2.92%	20	
Toluene	0.4295	0.0050	0.400	0	107%	69	139	0.444	3.37%	20	
1,2-Dibromoethane (EDB)	0.4109	0.020	0.400	0	103%	71	133	0.425	3.47%	20	
Chlorobenzene	0.4471	0.0050	0.400	0	112%	73	135	0.463	3.60%	20	
Ethylbenzene	0.4302	0.0050	0.400	0	108%	77	139	0.443	2.96%	20	
m,p-Xylene	0.8875	0.010	0.800	0	111%	74	147	0.914	2.89%	20	
o-Xylene	0.4347	0.0050	0.400	0	109%	62	147	0.441	1.47%	20	
1,3-Dichlorobenzene	0.4303	0.0050	0.400	0	108%	71	128	0.439	1.98%	20	
1,4-Dichlorobenzene	0.4331	0.0050	0.400	0	108%	70	127	0.446	2.89%	20	
1,2-Dichlorobenzene	0.4039	0.0050	0.400	0	101%	71	129	0.406	0.417%	20	
1,4-Dichlorobenzene-d4	0.948	0.10	1.00	0	94.8%	80	120	0.954	0.677%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCS-06094** Batch ID: **R39687** Test Code: **8260OXYW** Units: **µg/L** Analysis Date: **2/10/06 4:14:00 AM** Prep Date:
Client ID: Run ID: **ORGCMS3_060210B** SeqNo: **570134**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	20.27	1.0	20.0	0	101%	80	120	0			
Tert-butyl alcohol (TBA)	418.8	10	400	0	105%	25	162	0			
Di-isopropyl ether (DIPE)	20.79	1.0	20.0	0	104%	80	120	0			
Ethyl tert-butyl ether (ETBE)	19.88	1.0	20.0	0	99.4%	77	120	0			
Benzene	21.27	0.50	20.0	0	106%	78	117	0			
Tert-amyl methyl ether (TAME)	19.21	1.0	20.0	0	96.0%	64	136	0			
1,2-Dichloroethane	21.01	1.0	20.0	0	105%	74	121	0			
Toluene	22.06	0.50	20.0	0	110%	80	120	0			
1,2-Dibromoethane (EDB)	23.14	1.0	20.0	0	116%	80	120	0			
Chlorobenzene	22.72	1.0	20.0	0	114%	80	120	0			
Ethylbenzene	20.98	0.50	20.0	0	105%	80	120	0			
m,p-Xylene	42.79	0.50	40.0	0	107%	80	120	0			
o-Xylene	20.41	0.50	20.0	0	102%	80	120	0			
1,3-Dichlorobenzene	22.46	1.0	20.0	0	112%	81	125	0			
1,4-Dichlorobenzene	23.35	1.0	20.0	0	117%	79	132	0			
1,2-Dichlorobenzene	21.86	1.0	20.0	0	109%	81	134	0			
1,4-Dichlorobenzene-d4	1.12	0.10	1.00	0	111%	81	139	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-06094** Batch ID: **R39687** Test Code: **8260OXYW** Units: **µg/L** Analysis Date: **2/13/06 12:24:00 PM** Prep Date:
Client ID: Run ID: **ORGCMS3_060210B** SeqNo: **570705**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	20.03	1.0	20.0	0	100%	80	120	20.3	1.18%	20	
Tert-butyl alcohol (TBA)	408.9	10	400	0	102%	25	162	419	2.39%	20	
Di-isopropyl ether (DIPE)	20.33	1.0	20.0	0	102%	80	120	20.8	2.26%	20	
Ethyl tert-butyl ether (ETBE)	19.36	1.0	20.0	0	96.8%	77	120	19.9	2.67%	20	
Benzene	21.41	0.50	20.0	0	107%	78	117	21.3	0.629%	20	
Tert-amyl methyl ether (TAME)	18.66	1.0	20.0	0	93.3%	64	136	19.2	2.91%	20	
1,2-Dichloroethane	22.47	1.0	20.0	0	112%	74	121	21.0	6.70%	20	
Toluene	21.63	0.50	20.0	0	108%	80	120	22.1	1.94%	20	
1,2-Dibromoethane (EDB)	22.69	1.0	20.0	0	113%	80	120	23.1	1.95%	20	
Chlorobenzene	22.11	1.0	20.0	0	111%	80	120	22.7	2.70%	20	
Ethylbenzene	20.12	0.50	20.0	0	101%	80	120	21.0	4.17%	20	
m,p-Xylene	41.08	0.50	40.0	0	103%	80	120	42.8	4.07%	20	
o-Xylene	18.75	0.50	20.0	0	93.7%	80	120	20.4	8.47%	20	
1,3-Dichlorobenzene	21.01	1.0	20.0	0	105%	81	125	22.5	6.64%	20	
1,4-Dichlorobenzene	21.90	1.0	20.0	0	109%	79	132	23.4	6.45%	20	
1,2-Dichlorobenzene	20.59	1.0	20.0	0	103%	81	134	21.9	5.97%	20	
1,4-Dichlorobenzene-d4	1.12	0.10	1.00	0	112%	81	139	1.12	0.172%	20	

Sample ID: **LCSG-15168** Batch ID: **15168** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **2/14/06 12:10:00 PM** Prep Date: **2/13/06**
Client ID: Run ID: **ORGCMS3_060213B** SeqNo: **570606**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	20.83	1.0	20.0	0	104%	64	150	0			

Sample ID: **LCSDG-15168** Batch ID: **15168** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **2/14/06 6:32:00 AM** Prep Date: **2/13/06**
Client ID: Run ID: **ORGCMS3_060213B** SeqNo: **570619**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	19.46	1.0	20.0	0	97.3%	64	150	20.8	6.79%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCSG-15177** Batch ID: **15177** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **2/14/06 5:21:00 AM** Prep Date: **2/14/06**
Client ID: Run ID: **ORGCMS3_060214B** SeqNo: **570830**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	20.36	1.0	20.0	0	102%	64	150	0			

Sample ID: **LCSDG-15177** Batch ID: **15177** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **2/14/06 5:47:00 AM** Prep Date: **2/14/06**
Client ID: Run ID: **ORGCMS3_060214B** SeqNo: **570831**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	20.37	1.0	20.0	0	102%	64	150	20.4	0.0497%	20	

Sample ID: **LCS-06095** Batch ID: **R39685** Test Code: **GASW-MS** Units: **µg/L** Analysis Date: **2/10/06 5:05:00 AM** Prep Date:
Client ID: Run ID: **ORGCMS3_060210A** SeqNo: **570128**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	957.4	50	1,000	0	95.7%	80	120	0			

Sample ID: **LCSD-06095** Batch ID: **R39685** Test Code: **GASW-MS** Units: **µg/L** Analysis Date: **2/13/06 12:49:00 PM** Prep Date:
Client ID: Run ID: **ORGCMS3_060210A** SeqNo: **570641**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	844.4	50	1,000	0	84.4%	80	120	957	12.5%	20	

Sample ID: **LCS-15145** Batch ID: **15145** Test Code: **TPHDMS** Units: **µg/g** Analysis Date: **2/13/06 8:13:34 PM** Prep Date: **2/9/06**
Client ID: Run ID: **ORGC7_060213B** SeqNo: **572285**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	13.39	1.0	10.0	0	134%	70	130	0			S
TPHC Motor Oil	23.27	10	20.0	0	116%	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-15145** Batch ID: **15145** Test Code: **TPHDMS** Units: **µg/g** Analysis Date: **2/13/06 8:33:44 PM** Prep Date: **2/9/06**
Client ID: Run ID: **ORGC7_060213B** SeqNo: **572286**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	13.54	1.0	10.0	0	135%	70	130	13.4	1.11%	15	S
TPHC Motor Oil	22.14	10	20.0	0	111%	70	130	23.3	4.98%	15	

Sample ID: **LCS-15153** Batch ID: **15153** Test Code: **TPHDMS** Units: **µg/g** Analysis Date: **3/1/06 11:27:12 PM** Prep Date: **2/10/06**
Client ID: Run ID: **ORGC7_060302A** SeqNo: **575262**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	9.433	1.0	10.0	0	94.3%	70	130	0			
TPHC Motor Oil	23.62	10	20.0	0	118%	70	130	0			

Sample ID: **LCSD-15153** Batch ID: **15153** Test Code: **TPHDMS** Units: **µg/g** Analysis Date: **3/1/06 11:47:10 PM** Prep Date: **2/10/06**
Client ID: Run ID: **ORGC7_060302A** SeqNo: **575263**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	9.568	1.0	10.0	0	95.7%	70	130	9.43	1.42%	15	
TPHC Motor Oil	23.45	10	20.0	0	117%	70	130	23.6	0.743%	15	

Sample ID: **LCS-15172** Batch ID: **15172** Test Code: **TPHDMW** Units: **µg/L** Analysis Date: **3/3/06 2:13:24 PM** Prep Date: **2/14/06**
Client ID: Run ID: **ORGC7_060303A** SeqNo: **575909**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	364.0	50	500	0	72.8%	72	124	0			
TPHC Motor Oil	991.7	170	1,000	0	99.2%	71	139	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0602102
Project: SP-120, Bigfoot Gas

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-15172** Batch ID: **15172** Test Code: **TPHDMW** Units: **µg/L** Analysis Date: **3/3/06 2:33:37 PM** Prep Date: **2/14/06**
Client ID: Run ID: **ORGC7_060303A** SeqNo: **575910**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	368.5	50	500	0	73.7%	72	124	364	1.22%	15	
TPHC Motor Oil	979.3	170	1,000	0	97.9%	71	139	992	1.25%	15	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody # 0602102

LABORATORY NUMBER:

Attention:
Results & Invoice to: SounPacific
Address: P.O. Box 13, 8
Kneeland CA 95549
Phone: (707) 269-0884
Copies of Report to: andy@sounpacific.com, greg@sounpacific.com, rob@sounpacific.com
Sampler (Sign & Print):

PROJECT INFORMATION

Project Number: SP-120
Project Name: Bigfoot Gas
Purchase Order Number:

CONTAINER: 9 14 →
PRESERVATIVE:

ANALYSIS: TPHg, TPHd/mo, BTXE, 5-OXYS, Pb scavengers, 8260 list

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	TPHg	TPHd/mo	BTXE	5-OXYS	Pb scavengers
	B-19 @ 5'	2/2/06		GW	X	X	X	X	X
	B-21 @ 4'	↓		↓	↓	↓	↓	↓	↓
	B-22 @ 10'	↓		↓	↓	↓	↓	↓	↓
	B-22 @ 15'	↓		↓	↓	↓	↓	↓	↓
	B-23 @ 9'	2/3/06		↓	↓	↓	↓	↓	↓
	B-25 @ 4'	↓		↓	↓	↓	↓	↓	↓
	B-27 @ 4.5'	↓		↓	↓	↓	↓	↓	↓
	B-28 @ 4'	↓		↓	↓	↓	↓	↓	↓
	B-29 @ 6'	↓		↓	↓	↓	↓	↓	↓
	B-30 @ 5'	↓		↓	↓	↓	↓	↓	↓

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: / /
Final Report: FAX ☐ Verbal ☐ By: / /

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

cold intact

Global ID # 10602300215

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Jeff Carter	2/6/06 1620	Kelley Thompson	2/6/06 1620

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus (Hand)

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

LABORATORY NUMBER: 0602102

Attention: _____
Results & Invoice to: South Pacific
Address: P.O. Box 15
Kneeland, CA 95549
Phone: (707) 269-0844
Copies of Report to: Andy@SouthPacific.com, Greg@SouthPacific.com; Phil@SouthPacific.com
Sampler (Sign & Print): _____

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other: _____
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
Final Report: FAX ☐ Verbal ☐ By: __/__/__

PROJECT INFORMATION
Project Number: SP-120
Project Name: Bigfoot Gas
Purchase Order Number: _____

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS: TPHg	TPHdmo	BTXE	5-OXYS	Pb SCAVENGERS
	B-33 @5.5'	2/3/06		GW	9,11,14	→	X	X	X	X	X
2	B-19 @ 2'	2/2/06		S			—	—	—	—	
2	B-19 @4'						—	—	—	—	
2	B-19 @ [illegible]						—	—	—	—	
2	B-21 @4'						—	—	—	—	
2	B-22 @5'						—	—	—	—	
2	B-22 @10'						—	—	—	—	
2	B-22 @15'						—	—	—	—	
2	B-22 @20'						—	—	—	—	
2	B-22 @25'	↓		↓			↓	↓	↓	↓	

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Global ID# T0602300275

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Jeff Gaw	2/6/06 1620	Kelley Thompson	2/6/06 1620

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

0602102

LABORATORY NUMBER:

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other: _____
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
Final Report: FAX ☐ Verbal ☐ By: __/__/__

Attention: _____
Results & Invoice to: SounPacific
Address: PO Box 13
Kneeland, CA 95549
Phone: (707) 269-0884
Copies of Report to: andy@sounpacific.com, greg@sounpacific.com, joe@sounpacific.com
Sampler (Sign & Print): _____

PROJECT INFORMATION
Project Number: SP-120
Project Name: Bigfoot Gas
Purchase Order Number: _____

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS: TPHg	BTXE	5-oxys	TPHd/mo
	2 B-22 @ 30'	2/2/06		S	9, 11					
	2 B-23 @ 5'	2/3/06								
	2 B-23 @ 8'									
	2 B-25 @ 2'									
	2 B-25 @ 8'									
	2 B-25 @ 12'									
	2 B-27 @ 2'									
	2 B-27 @ 4'									
	2 B-27 @ 8'									
	2 B-27 @ 12'									

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Global FO# T0602300275

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Jeff Gaines	2/6/06	Holly Thompson	2/6/06 1620

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus (Hand)

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

0602102

LABORATORY NUMBER:

Attention:
Results & Invoice to: SounPacific
Address: PO Box 13
Kneeland, CA, 95549
Phone: (707) 269
Copies of Report to: andy@sounpacific.com, greg@sounpacific.com, dee@sounpacific.com
Sampler (Sign & Print):

PROJECT INFORMATION

Project Number: SP-120
Project Name: Bigfoot Gas
Purchase Order Number:

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day ☒ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
Final Report: FAX ☐ Verbal ☐ By: __/__/__

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PRESERVATIVE:
CONTAINER: 9 ——→
ANALYSIS: TPHg; TPH d/mo w/ HCl; BTXE; 5-oxys

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*
	2 B-28 @ 2'	2/3/06		S
	2 B-28 @ 10'	↓		↓
	2 B-29 @ 2'			
	2 B-29 @ 4'			
	2 B-29 @ 12'			
	2 B-30 @ 2'			
	2 B-30 @ 5'			
	2 B-30 @ 10'			
	2 B-30 @ 15'			
	2 B-30 @ 20'	↓		↓

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

~~Global ID # T0602300275~~

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Jeff Garten	2/6/06 1620	Kelley Thompson	2/6/06 1620

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus (Hand)

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

0602102

LABORATORY NUMBER:

Attention:
Results & Invoice to: San Pacific
Address: PO Box 13
Kneeland, CA 95549
Phone: (707) 269-0884
Copies of Report to: andy@sanpacific.com, greg@sanpacific.com, dee@sanpacific.com
Sampler (Sign & Print):

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By:__/__/__
Final Report: FAX ☐ Verbal ☐ By:__/__/__

PROJECT INFORMATION
Project Number: SP-120
Project Name: Bigfoot Gas
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS
	2 B-30 @ 25'	2/3/06		S	11, 9, #		TPHg, TPHdmo, BTXE, 5-oxy's
	2 B-30 @ 30'				9, #		
	2 B-33 @ 2'				9, 11		
	2 B-33 @ 4'				9, 11		
	2 B-33 @ 8'	↓		↓			

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Global 10 # T060 2300 275

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Jeff Graves	2/6/06 1620	K Kelley / Thompson	2/6/06 1622

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

Appendix C

SounPacific
Environmental Services
(707) 269-0884

Standard Operating Procedures

Groundwater Level Measurements and Free Phase Hydrocarbon Measurements

All SounPacific staff and contractors shall adopt the following procedures any time that groundwater elevations are determined for the purposes of establishing groundwater gradient and direction, and prior to any sampling event.

Wells are to be tested for free phase hydrocarbons (free product) before the first development or sampling of any new well, and in any well that has historically contained free product.

Equipment Checklist

- ❑ Combination water level / free phase hydrocarbon indicator probe (probe)
- ❑ Gauging Data / Purge Calculations Sheet
- ❑ Pencil or Pen/sharpie
- ❑ Disposable Gloves
- ❑ Distilled Water and or know water source on site that is clean
- ❑ Alconox (powder) or Liquinox (liquid) non-phosphate cleaners—do not use soap!
- ❑ Buckets or Tubs for decontamination station
- ❑ Tools necessary to access wells
- ❑ Site Safety Plan
- ❑ This Standard Operating Procedure
- ❑ Notify Job site business that you will be arriving to conduct work.

Procedure

1. Review Site Safety Plan and utilize personal protection appropriate for the contaminants that may be encountered.

2. Access and open all monitoring wells to be measured. Allow wells to equilibrate for approximately 15 minutes before taking any measurements.

3. Decontaminate probe with Alconox or Liquinox solution, and rinse with distilled water.

4. Determine the diameter of the well to be measured and indicate this on the Gauging Data / Purge Calculations Sheet.

5. Words of caution: Please be careful with water level and product meters probes are not attached with high strength material so please make sure to avoid catching the end on anything in the well and make sure not to wind reel to the point that it could pull on the probe. ***If product is suspect in a well, go to step 6, if no product is suspected go to step 7 below.***

6. **When product is present or suspected:** use the product level meter. Clip the static charge clamp to the side of the well casing. Then lower probe into the well through the product/water interface about one foot if possible. Then slowly raise the probe back up through the product/water interface layer and record the level as the tone changes from solid to broken-record this level in the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTP). Continue to raise the probe up through the product until the tone stops completely-record this level on the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTW). Then go to step 8.

7. **When no product is present or suspected:** If no free product is present, record the depth of the water (to the nearest 0.01 foot) relative to the painted black mark on the top of the well casing. Leave the probe in the well just a hair above the water level to ensure the well as equilibrated. As the well rises, the tone will sound. Make sure no increase in water levels have occurred in over a ten-minute period. Water levels can lower as well as rise. Make sure you note when the level you keep lowering the probe to has remained stable for at least ten minutes. Once this has been accomplished, please record this level in the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTW).

8. Turn off the probe, and use the probe to determine the depth to the bottom of the well relative to the top of the well casing. This is the depth to bottom measurement (DTB).

9. Decontaminate probe and tape by washing in an Alconox/Liquinox solution ***(read directions on solution for ratio of water to cleanser)*** and use the toothbrush provided to remove any foreign substance from the probe and tape. Then triple rinse probe and tape with clean water and then proceed to take measurements in the next well.

10. If sampling is to occur, proceed to implement SounPacific's Standard Operating Procedure for Monitoring Well Purging and Sampling. If no sampling is to be performed, close and secure all wells and caps.

SounPacific
Environmental Services
(707) 269-0884

Standard Operating Procedures

Monitoring Well Purging and Groundwater Sampling

All SounPacific employees and contractors shall adopt the following procedures any time that groundwater samples are to be taken from an existing groundwater monitoring well.

Prior to the implementation of these procedures, the groundwater level **MUST** be measured and the presence of free phase hydrocarbons determined in accordance with SounPacific's Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements.

Equipment Checklist

- ❑ **Gauging Data / Purge Calculations Sheet used for water level determination**
- ❑ Chain of Custody Form
- ❑ pH/ Conductivity / Temperature meter
- ❑ Pencil or Pen
- ❑ Indelible Marker
- ❑ Calculator
- ❑ Disposable Gloves
- ❑ Distilled Water
- ❑ Alconox/liquinox liquid or powdered non-phosphate cleaner
- ❑ Buckets or Tubs for decontamination station
- ❑ Bottom-filling bailer or pumping device for purging
- ❑ Disposable bottom-filling bailer and emptying device for sampling
- ❑ String, twine or fishing line for bailers
- ❑ Sample containers appropriate for intended analytical method (check with lab)
- ❑ Sample labels
- ❑ Site Safety Plan
- ❑ Tools necessary to access wells
- ❑ Drum space on site adequate for sampling event

Procedure

1. Review Site Safety Plan and utilize personal protection appropriate for the contaminants that may be encountered.

2. Measure groundwater levels and check for the presence of free product in accordance with the Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements.

Purging

3. Calculate and record the volume of standing water in each well using the information provided on the Gauging Data / Purge Calculations sheet.
   (DTB-DTW) x Conversion Factor = Casing Volume.

4. The purge volume shall be at least three times and no more than seven times the volume of standing water (the casing volume).

5. Purge the well by bailing or pumping water from the well into a calibrated receptacle, such as a five gallon bucket or tub with markings to indicate one gallon increments. Collect purgeate in a 55 gallon labeled drum and store on site. Drum labels should include the date, contents, site number, and SounPacific's name and telephone number.

6. Take measurements of pH, conductivity, temperature, and visual observations to verify the stabilization of these parameters. At least five measurements of these parameters should be made throughout the purging process. The parameters shall be considered stabilized if successive measurements vary by less than 0.25 pH units, 10% of conductivity in μS, and 1°C (or 1.8°F). Continue purging until at least three times the casing volume has been removed, and the measured parameters have stabilized as indicated above. Do not exceed seven casing volumes.

7. Take a final depth to groundwater measurement and calculate the casing volume of the recharged well. Ideally, the casing volume should have recharged to at least 80% of the original measured casing volume before sampling commences. If due to slow recharge rates it is not feasible to wait for the well to fully recharge, then note this on the Gauging Data / Purge Calculation Sheet and proceed to sample following the procedure below.

Sampling

8. **After completing groundwater measurement, and checking for free product if necessary, in accordance with SounPacific's Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements, and after purging monitoring wells as described above, groundwater samples may be collected.**

9. Slowly lower a clean, previously unused disposable bailer into the well water approximately half of the bailer length, and allow the bailer to slowly fill.

10. Withdraw the full bailer from the monitoring well and utilize the included (clean and unused) bottom-emptying device to fill the necessary sample containers, and seal the container with the included PTFE (Teflon) lined cap.

11. When filling VOAs, fill the VOA completely full, with the meniscus rising above the rim of the bottle. Carefully cap the VOA and invert it and gently tap it to determine whether air bubbles are trapped inside. If the VOA contains air bubbles, refill the VOA and repeat this step.

12. All samples shall be labeled with the Sample ID, the Sample Date, and the Sample Location or Project Number. Use an indelible marker for writing on sample labels.

13. Record all pertinent sample data on the Chain of Custody.

14. Place samples in an ice chest cooled to 4°C with ice or "blue ice". Bottles should be wrapped in bubble wrap, and VOA's should be inserted in a foam VOA holder to protect against breakage. Samples are to be kept at 4°C until delivered to the laboratory. Any transference of sample custody shall be indicated on the Chain of Custody with the appropriate signatures as necessary.

15. Utilize clean, previously unused gloves, bailer and line, and bottom-emptying device for each well sampled.

16. When finished with all sampling, close and secure all monitoring wells.

17. Leave the site cleaner than when you arrived and drive safely.